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**Rotation ID: 2,812**

**Job Title:** MSS Tech PDO Strategy & Integration Analyst

**Supervisor:** Dustin Fern

**Supervisor Email:** DFERN@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Strategy, Communications, Planning, and Project Management

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Marketing & Sales IT PDO

**Department Description:**

The MSS Tech Strategy and Integration team is dedicated to providing expert guidance and resources to help MSS Tech leadership and Product Groups navigate complex corporate initiatives. From managing Tech Debt to ensuring Privacy compliance, managing Cyber Security vulnerabilities, and API health and security, the team offers valuable insights and tools to aid in decision-making. We work collaboratively with IT Business Office, Finance, and all levels of MSS Tech PDO Management to align priorities, objectives, and IT strategies with the overall goals of Ford Motor Company. We have a commitment to eliminating waste, bureaucracy, and increasing efficiency. By constantly working with our customers to understand their unique needs, the MSS Tech Strategy and Integration team is able to provide tailored solutions that support our partners in delivering maximum value. With a focus on excellence and a dedication to streamlining processes, this team is a vital partner for MSS Tech and the wider Ford Motor Company.

**Position Duties:**

On the behalf of MSS Tech, work with Product Group teams to support initiatives from groups such as:

- Privacy Office: Completing New Application Assessments; manage and drive Access/Delete requests submitted by consumers; integrating Privacy Impact Assessment data into team dashboard
- Enterprise Technology Refresh: Help manage teams to complete technology upgrade work defined for essential technologies, support teams to meet "pop-up" initiatives such as DevOps, SLES/Oracle, KAFKA, etc.; support the migration of PCF/Teradata to GCP
- API: Help drive teams to achieve 100% for APIs
- Cyber Security: Support Enterprise Vulnerability Management , DAST and SAST
- Application Portfolio Management: Develop and manage views into application portfolio data which allows teams to be proactive in their day to day Application Portfolio Management
- Technology Management - Support the improvement and development of views of technology used by MSS Tech, their sunset dates, and replacement technology; work with central teams to stay aligned to



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corporate goals and initiatives - Collect, analyze, and curate data from various program initiative data sources to consolidate and integrate into the MSS Tech QlikSense Dashboard - Support the development and maintenance of resources used by MSS Tech customers using tools such as QlikSense and SharePoint - Support multiple Product Groups. Gain in-depth business knowledge, while supporting Regional/Globalization and Global efforts - Strengthen analysis and presentation skills in Excel and PowerPoint. - Exposure to Senior Management at working level.

**Desired Skills:**

- Familiar with development lifecycle, Agile practices - Relationship Management and interaction skills  
- ability to communicate technical strategies into business terminology - QlikSense Development and maintenance - Process Oriented Mindset - Technical/Development Skills (or desire to learn or strengthen) - Strong Excel, SharePoint, and PowerPoint Skills (or desire to strengthen) - Enthusiasm to find new ways to streamline, modernize and reduce bureaucracy

**Required Skills:**

- Strong Written and Verbal Communication - Ability to engage with Senior IT Leadership - Strong Organizational and Planning Skills - Excel, SharePoint, and PowerPoint

**Work Pattern Details:**

Hybrid - At most 1 day a week at Wagner Place West Each week our team collectively decides the need to be in person

**Additional Info:**

Our team has the opportunity to collaborate with all levels of our organization, gaining invaluable exposure to the day-to-day experiences of our Product Groups and Teams. You'll learn about multiple systems used by teams and gain a deep understanding of the processes needed to solve the complex problems faced by application/technology owners, Product Teams, and Product Groups. The opportunity is there to leverage and sharpen your technical capabilities, working to develop, enhance, and streamline new and existing tools that empower MSS Tech PDO team members to be more efficient in their day-to-day work. With a focus on innovation and continuous improvement, there are opportunities to make a real impact on the success of the organization.



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**Rotation ID: 3,458**

**Job Title:** Software Engineer

**Supervisor:** Vasanthkumar Jagannathan

**Supervisor Email:** JVASANT1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Resource Planning (iERP)

**Job Family:** PBT: Software Engineer

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** IERP

**Department Description:**

Department Description Integrated Enterprise Resource Planning (I-ERP) is the Ford initiative designed to drive operational efficiency and material cost reduction by adopting industry leading practices, enabling real-time insights and faster decision making. I-ERP involves end-to-end change for financial and procurement processes, with SAP as the technology facilitating the changes. This role supports the I-ERP PTR Corporate Finance and purchasing Teams The I-ERP Program is seeking a Software Engineer that will participate in all aspects of the software development life cycle which includes estimating, technical design, implementation, documentation, testing, deployment, and support of application developed for the I-ERP Program. The resource will also function as an Anchor adding critical value to the entire organization. The role will enable the program to source the highest quality parts and services from around the globe while ensuring optimal cost and on-time delivery.

**Position Duties:**

Develop Pivotal Cloud Foundry (PCF) applications and microservices using Java and Spring Boot framework. - Develop and manage APIs using APIGEE (GCP) platform - Participate in the transformation of the Finance and Purchasing teams to a Product Driven Organization using Agile best practices. - Assist with the functional integration of strategic initiatives across components of the SAP solution. - Work hands-on with the development team to prioritize, plan, and deliver software that meets user requirements. - Support testing integration using S4 platform

**Desired Skills:**

Knowledge / experience in Spring-Boot and Microservices Knowledge / experience in Continuous Integration and Continuous Deployment (CI/CD/CT) methodologies Knowledge / experience in Test Driven Development (TDD) and Paired Programming Knowledge / experience with PCF is required, and additional Cloud experience is a huge plus (Bluemix, GCP, AWS) Knowledge / experience

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around debugging, problem solving and investigative skills. Ability to assimilate disparate information (log files, error messages etc.) and pursue leads to find root cause problems. Knowledge / experience with Java/Springboot development, API development and management Knowledge / experience with ETL concepts and Google Cloud Platform (GCP)

**Required Skills:**

**Work Pattern Details:**

Monthly in off 2 to 4 days per month

**Additional Info:**



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**Rotation ID:** 3,041

**Job Title:** Cloud Automation Software Engineer

**Supervisor:** Aeron Baker

**Supervisor Email:** abaker9@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Operations

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** NA COMP OPRNS MGR

**Department Description:**

The Cloud Platform organization is looking for technical people to join our team to assist with automation work as Ford extends its presence into Google Cloud Platform (GCP). Our team is responsible for developing automation best practices, teaching internal business partners (ITO, PDO, GDIA, Enterprise Connectivity) as well as consulting on cloud technologies and driving improvements to Google's Platform through our partnership with Google. The position will consist of working with cross-functional teams to help shape and define Ford' GCP cloud experience. We are using tools such as GitHub, Terraform, Tekton (OpenShift pipelines) to implement Infrastructure as Code (IaC) using Agile/DevOps methodologies.

**Position Duties:**

- Designing and building automation solutions with cloud technologies (GCP/Kubernetes/etc) - Engineering Linux and Windows container solutions - Writing code to solve problems: PowerShell, Bash, etc. - Knowledge sharing/consultation - Writing Terraform code - Creating CI/CD Pipelines with Tekton (Container native pipelines)

**Desired Skills:**

- Experience with a programming languages: .NET, go ,rust, java, etc. - Experience with scripting languages: PowerShell, Bash, etc. - Experience with configuration management tools: Ansible, Puppet, Chef etc. - Experience in a Linux or Windows system admin role or in a Site Reliability Engineer role - Experience designing and building enterprise solutions with cloud technologies (GCP/ Azure/AWS) - Good understanding of reliability, scalability and cybersecurity principles and best practices - Knowledge of IP networking, VPN, DNS, load balancing and firewalls - Familiarity with log aggregation and with any monitoring tools: DataDog, Grafana, Nagios etc. - Good knowledge of virtualization technologies: VMWare, VirtualBox, Vagrant etc. - Good knowledge of storage systems: file systems, object stores and databases - Agile/DevOps



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**Required Skills:**

- Motivation to learn new things and to do better (continuously improve) - Experience with scripting/coding and source control - Creativity to come up with automated solutions and initiative to execute them

**Work Pattern Details:**

Daily standups. Team long running webex for paired programming. All work defined as user stories in Rally.

**Additional Info:**



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**Rotation ID: 2,894**

**Job Title:** Software Engineer

**Supervisor:** Anitha Bommanaveni

**Supervisor Email:** abommana@ford.com

**Positions Available:** 4

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** PBT: Software Engineer

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** MS&S

**Department Description:**

To meet the growing needs of Ford's digital strategy by delivering technical solutions, we are looking for a highly motivated, technology focused individual with a passion to work on a collaborative software. delivery team. Guest Experience Platform creates a Ford-focused, digital ecosystem offering the specific benefits and features required to unlock value for Ford Owners and Dealers. Our vision is Delivering Brand Differentiating Experiences at Scale. Five Key Experiences: Online Service Reservations, Pickup & Delivery, Mobile Service, Ford Pass Rewards, and Proactive Concierge. Features offered across brands, regions, and retail/fleet customers.

**Position Duties:**

We are looking for Engineers to develop application software using the Java full stack technologies utilized by balanced teams

- Consults with product manager to identify minimal viable product and decompose feature set into small, scoped user stories.
- Solve highly complex technical problems using industry best practices.
- Uses the test-driven development methodology to realize the technical solution

**Desired Skills:**

- Software engineering knowledge
- Practiced in eXtreme Programming (XP) disciplines including paired programming
- Test-first/Test Driven Development (TDD) experience
- OO Design Principles, Micro services architecture, Cloud native concepts
- Experience with Pivotal Cloud Foundry, Azure Cloud and IaaS concepts
- Front end development using JavaScript, HTML5, CSS3, Bootstrap, Angular JS, React JS, Vue JS
- Experience with continuous integration tools, such as Jenkins, Nexus, GitHub, Maven, Gradle, etc.
- Experience with automation tools and frameworks, such as Selenium and JUnit
- Spring Framework development
- Data modeling
- Experience designing and developing REST APIs

**Required Skills:**



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Bachelor's degree in Computer Science or similar technical discipline or equivalent • 1+ years of work experience in cloud based, full stack web development including:

- o Java web development
- o Spring Framework development
- o Appetite to learn new technologies like Pega is a plus

**Work Pattern Details:**

Weekly 1 day at office and remaining days remote, collaborate with product teams and attend all agile ceremonies. Pair with developers and develop code using TDDs/BDDs.

**Additional Info:**

The FCG will be placed within a product team with end-to-end responsibility. The individual will gain insights into what it takes to scope, develop, test, and release a Core component of Connected Vehicle ecosystem.





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**Rotation ID:** 3,200**Job Title:** Cyber Security Applications Engineer**Supervisor:** Alyssa Bridges**Supervisor Email:** ahauler@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** Office of the Chief Enterprise Technology Officer**Job Family:** ITS Cyber Security**Location:** Commerce Park North II**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** No**Frequency of In Person Collaboration:** Quarterly**High Tech, High Demand (HTHD) Position?** Yes**Department:** POLICY & STRATEGY**Department Description:**

At Ford Motor Company, we believe freedom of movement drives human progress. We also believe in providing you with the freedom to define and realize your dreams. With our incredible plans for the future of mobility, we have a wide variety of opportunities for you to accelerate your career potential as you help us define tomorrow's transportation. As a key member of our Information Technology group, you'll play a critical part in shaping the future of mobility. If you're looking for the chance to leverage advanced technology to redefine the transportation landscape, enhance the customer experience and improve people's lives, this is the opportunity for you. Join us and challenge your IT expertise and analytical skills to help create vehicles that are as smart as you are!

**Position Duties:**

- Manage and apply cyber security requirements and deliverables into IT processes and product development.
- Work with feature owners, module D&Rs and/or suppliers to manage the progression of each feature or module through development.
- Ensure security is built into the design upfront.
- Deliver cyber security specifications and standards unique to the connected vehicle ecosystem.
- Support cyber security requirement and testing development.
- Ensure systems, features, components, and/or modules are crafted using robust engineering processes (threat analysis, risk assessment, adoption of security requirements, security audits, vehicle ecosystem assessments).
- Work with external organizations on multi-functional issues related to cyber security.
- Develop and apply global supplier expertise to meet cyber security expectations.
- Provide project status presentations to management.
- Follow-up with internal cyber security teams to ensure timely approval and execution of cyber security projects to align with requirements.

**Desired Skills:**

- 1+ years of experience in In-Vehicle Cybersecurity engineering
- Proficient in agile product management framework.
- Experience advocating and driving adoption of industry standard



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methodologies. -Project management skills, including identifying and scheduling process steps, determining resources and staff required to successfully complete research projects. -Strong leadership skills, Security & controls. -Understanding of UNECE WP.29 -Understanding of R155

**Required Skills:**

-Bachelor's degree in Computer Science, Information Technology, Electrical Engineering or any related field of study or a combination of education and equivalent experience -1 year of experience in Embedded Systems and/or Project management -1 years of Cyber Security experience -Strong oral, written, and interpersonal communication skills and an ability to work in a collaborative team setting. -Comfortable working in a fast-paced and innovative environment where problems are not always well-defined.

**Work Pattern Details:**

Currently, we are 100% remote, with a few in office activities throughout the year. We work closely with other regions, since as China, EU and Australia.

**Additional Info:**

We are allowing fully remote FCGs however, we work closely with other regions, since as China, EU and Australia. Therefore, California time-zone does not line up well for this team, since we have early morning meetings in Dearborn time.



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**Rotation ID:** 3,287

**Job Title:** Strategy and Financial Management

**Supervisor:** Anita Brancheau

**Supervisor Email:** amanson@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Strategy, Planning and Project Management

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Strategy and Financial Planning

**Department Description:**

You will join the team of Strategy and Financial Planning professionals, as a member of the Office of the Chief Enterprise Technology Officer (OCETO). Strategy and Financial Planning provides services to Product Driven Organizations for Strategy and Value Management, Business Planning, Investment Estimation, and Headcount Management. This role is dedicated to the Industrial System Organization, which creates and implements strategic technologies and solutions that enable the design, engineering, manufacturing, and supply chain of our amazing products, while ensuring quality and environmental sustainability. Additionally, we work onsite in our manufacturing facilities to help ensure stable operations of the technologies that keep our vehicles rolling off those assembly lines. Major strategic initiatives: Manufacturing Industrial Internet Product Development Digital Thread Supply Chain Optimization

**Position Duties:**

This role offers experience and exposure for driven individuals to work with a diverse and dynamic set of senior leaders. You will have an opportunity to grow your financial acumen as well as gain exposure to the critical delivery systems for our Product Engineers and Manufacturing facilities. You will gain cross- functional experience by partnering with Product Groups and the OCETO to support operational health for Product and Service teams. Key Responsibilities: • Lead data driven analysis of financial performance and departmental headcount. • Develop and execute Alteryx workflows that automate team processes. • Own a portion of the monthly departmental financial close. • Partner with the Product Line Integration Leads to ensure that the product teams are aligned with the operational requirements. • Manage coordination with the IT Business Office for departmental reporting. • Communicate often and openly with the team and key partners.

**Desired Skills:**

**Desired Skills:** • Exhibit functional and technical excellence coupled with strong analytical and



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problem-solving skills • Experience with Alteryx and related data analytics tools • Experience or familiarity with Apptio • Ability to effectively collaborate across regions • Financial Acumen

**Required Skills:**

• Willingness to learn and apply reporting toolsets from Alteryx, Apptio, QlikSense Dashboards, Rally, Excel queries, and presentations. • Ability to multi-task and work independently with minimal supervision. • Strong drive for results with the ability to motivate/inspire product teams to meet operational goals. • Ability to present to all levels of management. • Willingness to learn and adapt to constant change. • Strong communications skills & active listening. • Ability to build trust, empathy, and relationships.

**Work Pattern Details:**

Primarily remote. On-site is typically once per month and as needed for support.

**Additional Info:**



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**Rotation ID: 3,179**

**Job Title:** Data Engineer

**Supervisor:** Aashish Paul

**Supervisor Email:** apaul31@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Product Engineering and Management (PEM)

**Department Description:**

PEM works with the portfolio teams to develop software products and data products to enable delivery of analytic solutions at scale. PEM is organized according to the GDI&A portfolios and we cater to Mktg. & Sales Analytics (MSA) .This team delivers and supports all the user experiences and data products for all Marketing & Sales Analytics needs as well as other enterprise groups.

**Position Duties:**

- Develop and maintain a Machine learning model workflow using technologies like Argo, Tekton, Airflow, Terraform, Python etc.
- Enhance testing frameworks to ensure code quality and also develop Continuous Integration/Continuous Delivery pipelines for automation
- Ensure developed code and practices align to Ford Standards and Policies.
- Automate performance monitoring and notification in the event of failures using best practices and tools.
- Work in a small agile team to deliver working software and adopt eXtreme Programming (XP) practices as needed,
- Take time to continuously learn and share with peers by playing roles of mentee and mentor over the course of delivery

**Desired Skills:**

- Experience with Object-Oriented Programming, Service-Oriented Architecture (SOA)
- Experience with Programming languages like Java or Python
- Experience working with RDBMS (Teradata, Cloud Sql) or Big Data (Hadoop, Big Query)
- Knowledge of Software Development Layers - API/SDK, Data Access
- Knowledge of GCP, PCF, CaaS platforms

**Required Skills:**

- Bachelor's degree in Computer Science, Information Technology, Electronics Engineering or a closely related field of study
- Strong analytical and problem-solving skills Agile Mentality
- Excellent interpersonal and communication skills
- Proven ability to coordinate and establish trust and positive relationships across teams
- Strong desire to learn and expand ones knowledge base.
- Self motivated individual with a can do attitude.
- Knowledge of Object-Oriented Programming, Service-



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Oriented Architecture (SOA) • Knowledge of Programming languages like Python or Java

**Work Pattern Details:**

Work from office typically 1 and at times 2 days a week. Available during core business hours (9:00 AM to 3:00 PM EST) while working remotely. Participate in taking turns to be on-call for production support .

**Additional Info:**

The position is ideal for one with some technical background and interest in evolving as a Data Engineer. You will get plenty of hands on experience with the latest tools used in engineering Machine learning solutions to Train, Deploy and Score Analytical models. Along with the technical knowledge you will gain a better understanding of the business processes that Ford Motor Company uses to ensure efficiency, while complying with all applicable laws. The product complies with SoX and CCPA requirements.



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**Rotation ID:** 3,004

**Job Title:** Site Reliability Engineer - Application Performance Monitoring

**Supervisor:** AJ Poe

**Supervisor Email:** apoe3@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Monitoring and Observability

**Department Description:**

This unique Monitoring Services Operations Engineering Track is designed for FCGs to gain expertise in multiple cloud technologies and apply the knowledge to deliver our services. The Application Performance Management team, where this position is based, supports over 1000 applications across Ford's PDO providing visibility to teams into the performance and operations of their applications whether they are based on cloud platforms or more traditional platforms. Furthermore, our service provides server monitoring across all traditional VM's both in the data centers and within our plants. In this team, we encourage a customer centric approach towards providing the support our internal customers need to leverage the power and capability of the application performance management solution. We encourage curiosity towards exploring new approaches to providing solutions and ways to expand our product to reach a greater audience and capability of end to end observability.

**Position Duties:**

In this position, the candidate will be responsible for helping to enhance our Application Performance Management solution through investigation of opportunities for expansion of the service into additional technology stacks. Emphasis will be placed on enhancing our customer's experience and reducing toil by developing/deploying automation software. Additionally, the candidate will be responsible for testing service expansion opportunities and identifying the best approach for implementation. By supporting the team as described above, the candidate will play a key role in supporting our department's objectives. Our core focus is on customer experience and providing end to end observability through application performance monitoring to our customers. By supporting application performance monitoring, the person who fills this role can directly improve customer satisfaction of both external and internal stakeholders by improving performance and reducing outages.



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**Desired Skills:**

Successful candidates will have a customer centric metric with a good understanding of applications including software, underlying infrastructure, and their dependencies.

**Required Skills:**

- Bachelor's Degree in Computer Science or Engineering
- Technical and problem solving mindset
- Interest in understanding application architecture including cloud based microservices
- Interest in troubleshooting application performance issues in complex architectures to reduce downtime and avoid outages

**Work Pattern Details:**

Quarterly department meetings, otherwise remote.

**Additional Info:**





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**Rotation ID: 3,445**

**Job Title:** Bill of Material Reports Software Engineer

**Supervisor:** Ashfaq Shaik

**Supervisor Email:** [ashaik2@ford.com](mailto:ashaik2@ford.com)

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** PD BOM IT

**Department Description:**

The Ford IT PDO team develops FEDE BOM (Ford Engineering Design Environment Bill of Material) analytical reports that help the Product Development Chief Engineering team review the parts/commodity information such as technical, cost, and weight for 20+ new Vehicle programs. The team develops various analytical dashboards/products by utilizing Qlik Sense (Qlikview), Alteryx, Java, and other IT tools. These dashboards contain 30-40+ Vehicle Program complete Bill Of Material required for building Ford vehicles such as Mustang, F150 truck, Mach-E Electric, and other vehicles. The FEDEBOM application provides the manufacturing team with the vehicle part information necessary for the assembly. These applications are used by 6800+ Design & Research Engineers in PD.

**Position Duties:**

1. Software development of the Bill of Material Analytical domain dashboards/tools by utilizing Google Cloud Platform (GCP), QlikSense, Alteryx and Java. These technologies helps build AI/ML skill set. 2. Analytical product development includes the following: a. The development of internal and external communications b. Establishing roadmaps and benchmarks c. Developing software implementation d. Testing e. Preparing training plans f. Ensure successful transition to support teams. 3. Communicate software portfolios status, issues, risks, and plans to internal Ford Product Development user champions and IT Management. 4. Investigate tools that can evaluate the performance of data flows across multiple systems. 5. FCG will learn GPDS (Global Product Development System), Bill of Material business domain, Bill of Material technical architecture and implementation.

**Desired Skills:**

1. Exposure or experience or willingness to learn Qlik Sense, Alteryx, GCP, Java, and other IT development tools. 2. Interest in learning test-driven development and Pair Programming 3.

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Experience/exposure to Agile process (optional) Good have skills: 4. Familiarity with Data Science tools and techniques (NumPy, SciPy, Pandas, etc) 5. Exposure to Machine Learning tools and techniques (PyTorch, scikit-learn, TensorFlow, etc)

## **Required Skills:**

1. Knowledge of any programming language 2. Be motivated to learn new technologies in a collaborative environment 3. Good communication skills (written, oral, presentation)

## **Work Pattern Details:**

The work pattern is flexible. The FCG can work with the People Leader to establish a fully remote, hybrid or on-site need.

## **Additional Info:**

Assignments can be adapted to better align with the FCG's skill set, objectives, and goals. Upon completion of this rotation, the candidate will gain hands-on experience in: 1. Qlik Sense (Qlikview) 2. Alteryx 3. GCP 4. Pair Programming 5. Agile Development 6. Product Development domain knowledge 7. AI/ML skill set.



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**Rotation ID:** 3,395**Job Title:** 2024 FordPro software engineer FCG**Supervisor:** Arvind Sharma**Supervisor Email:** asharma8@ford.com**Positions Available:** 6**Position Type:** Technical**IT Organization:** Ford Pro**Job Family:** PBT: Software Engineer**Location:** World Headquarters Building**Company:** Ford Motor Company**Work From Home Flexibility:** Fully Remote**Onsite Work Required?** No**Frequency of In Person Collaboration:****High Tech, High Demand (HTHD) Position?** Yes**Department:** Fordpro Tech**Department Description:**

Ford Pro is a new global business within Ford committed to commercial customer productivity. Ford Pro delivers a work-ready suite of vehicles, accessories and services for virtually every vocation, backed by technology and engineered for uptime. A true one-stop shop, offering a full portfolio of electrified and internal combustion vehicles designed to integrate seamlessly with the Ford Pro ecosystem, helping customers' businesses thrive today and into the new era of electrification.

**Position Duties:**

Define, design, develop and deploy applications/services with a cloud-first focus. Use agile, test-driven development principles to ensure quality, on-time delivery. Contribute to development activities using Software Craftmanship/Clean Code principles, practices and tools. Collaborate with global, cross-functional stakeholders and a balanced team of developers to deliver projects and features. Work with a Product Manager, Product Designer and/or Anchor to deliver solutions. Experience multiple environments (Vehicle, Cloud, Mobile) supporting end-to-end feature delivery.

**Desired Skills:**

Back-end development skills: Java, Kotlin, Node.js, or similar. Front-end stateless engineering skills: React, Angular, or Vue, or similar.

**Required Skills:**

Bachelor's Degree in Information Systems, Computer Science, Computer Engineering or a closely related field of study. Experience in software development methodologies, tools, standards and procedures for high quality software development such as Java Pivotal Cloud Foundry and the Spring framework. API related technologies such as JSON, REST, Swagger, Postman. Agile, Kanban or XP methodology and practices. Backlog tools such as Jira or Rally. REST Web Services developed using Spring or JavaEE Framework. API design standards, patterns and best practices. Source code management tools like git. Minimum GPA of 3.0 on a 4.0 scale (or equivalent). Candidates must

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graduate and be available for work prior to September 2024 0-3 years of relevant experience

**Work Pattern Details:**

Remote

**Additional Info:**



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**Rotation ID:** 3,397

**Job Title:** SAP Technical/Functional Analyst for Integrated Enterprise Resource Planning (I-ERP) - STP - RTO

**Supervisor:** Ajoy Vadlapudi

**Supervisor Email:** avadlapu@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Resource Planning (iERP)

**Job Family:** IT Solution Design & Development

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT PURCHASING

**Department Description:**

Ford Motor has recently initiated a large initiative, referred to as the Integrated ERP Program (I-ERP) to significantly reduce the size and complexity of Ford's technical footprint, refocus on differentiating capabilities, and standardize business processes utilizing SAP. Current I-ERP focus is on the transformation of Finance, Procurement and Master Data. The I-ERP Product team (Request-To-Order) is responsible for the current implementation and future deployment of the I-ERP solution globally.

**Position Duties:**

-Work effectively with global product owners, product managers, and software engineers to assist in the implementation of the SAP I-ERP product on S/4 HANA. - Receive hands on experience with the SAP I-ERP solution by learning how to configure the product to support the business, delivering new features to the I-ERP product via software development when needed. - Acquire analytical skills needed to deliver best in class solutions. - Participate in the transformation of the Finance and Purchasing teams to a Product Driven Organization using Agile best practices. - Assist with the functional integration of strategic initiatives across components of the SAP solution. - Work hands-on with the development team to prioritize, plan, and deliver software that meets user requirements. - Support testing on SAP platform

**Desired Skills:**

- Familiar with SAP - MM • Direct Procurement experience • SAP Certification(s) • Strong interest in pursuing SAP based careers

**Required Skills:**

- Good Written and Oral Communication Skills • Highly Organized • Highly Motivated

**Work Pattern Details:**

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Currently personnel in South-East Michigan are encouraged to attend in-person 1st and 3rd Mondays and Wednesdays

**Additional Info:**

There may be opportunity for flexibility on the position's role based on the FCG's interests and the needs of the department. Please contact Ajoy Vadlapudi (AVADLAPU@FORD.COM) if you have any questions about the position



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**Rotation ID: 3,235**

**Job Title:** Google Cloud and On-Prem Database Security Analyst

**Supervisor:** Arun Velmurugan

**Supervisor Email:** avelmuru@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Cyber Security

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Database Services – Database Security Compliance (DBSC)

**Department Description:**

DBSC team is responsible for Database Compliance (like Sarbanes–Oxley) for changes performed by Database Administrators. DBSC team collaborates with Information Policy Strategy, Cyber Security, Database Engineering, Database Operations, Internal Control Coordinators (ICC), etc. to identify the global database security needs and to define the security strategies and guardrails for GCP Cloud databases and on-premises databases. Partnership with vendors like Google, IBM, Oracle, etc. for the continuous improvements of database security compliances.

**Position Duties:**

Learn and adopt the compliance processes and tools like Guardium Data Protection, Insights and to start contributing towards database security compliance for both GCP Cloud databases and on-premises databases. Analysis of medium (thousands of rows) to huge volume (millions of rows) of security related data using powerful data analytical tools (E.g., Qlik Sense, Alteryx, Google BigQuery, etc.) to make an informed decision to improve the security posture using one or more dashboards. Directly contribute towards the development of a long-term strategy and identifying innovative ways to leverage analytical tools and processes to address business security needs. Expected Benefits to FCG: • Gain cyber security knowledge through hands on experiences like leveraging Data analytics tools to analyze security related data. • Develop business acumen on Database Security Compliance and protecting key Business data. • Improve customer experiences by interpreting security requirements, recognizing impact on business processes, making recommendations and interface with various levels of IT management • Exposure to various database technologies' security measures and to the industry trends of database monitoring tools. • Ability to oversee and understand the project and process management using tools like Rally.

**Desired Skills:**

One or more of the following skills: • Awareness of cyber security and controls. • Analytical and strong



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communication skills. • Knowledge of one or more data analytical tools (E.g., Excel, Qlik Sense, Alteryx, Apache Hive) • Knowledge of one of more GCP databases (PostgreSQL, Bigdata, SQL Server, Spanner, etc.) • Knowledge of one of more on-premises databases (Oracle, SQL Server, DB2LUW, etc.)

**Required Skills:**

• Excellent verbal and written communication skills. • Self-motivated and able to work with little supervision. • Ability to analyze data to understand the trend, patterns, etc. to improve security posture. • Knowledge in one or more of the following

- o Jenkins, Tekton (a modern approach for Continuous Integration and Delivery CI/CD), Script writing, Terraform, developing Habitat packages (Linux Bash, Windows PowerShell)

• Familiarity with database concepts • Ability to develop strong partnerships with DB Operations, DB Engineering, Cyber Security, and PDO teams.

**Work Pattern Details:**

• Work with global team members from United States. The normal expected work hours are from 8 AM to 5 PM (US Eastern time). Work hours are flexible (E.g., some starts at 6:30 AM). • Encourage the work life balance. • Team building sessions at on-site for once or twice in a year. Work remotely using work from home. Team will follow the company's guidelines like supporting hybrid work or as directed. • Continuous learning of security related concepts.

**Additional Info:**

Please contact Arun Velmurugan (avelmuru) with any questions about the nature of this role and experiences to be gained.





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**Rotation ID:** 3,269

**Job Title:** CX Designer

**Supervisor:** Brian Ashley

**Supervisor Email:** bashley1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Strategy, Communications, Planning, and Project Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Workplace Tech Customer Experience

**Department Description:**

The Workplace Tech Customer Experience Team leads the integration of employee technology across the enterprise to provide an exceptional technology experience at Ford Motor Company. We listen to employees to understand their technology experiences, design EPIC solutions that integrate tech services, and communicate and engage tech improvements across the company.

**Position Duties:**

- Utilizes User Centered Design Methodology and Design Thinking to work with customers/end-users, stakeholders, and team members to provide designs that meet business needs and are effective, efficient, and enjoyable.
- Plans and conducts customer/end-user research (contextual inquiry, ethnographic interview, focus groups) to inform strategy, guide solution definition, and determine customer/end-user needs based on direct observation of people.
- Plans and conducts usability testing, card sorting, and heuristic reviews to validate designs and/or user needs.
- Produces HMI/UI sketches, visual designs, mock-ups, work flows, interactive prototypes, wireframes, style guides, journey maps and other artifacts to be used in the development process.
- Defines, implements and measures success of lean experiments to improve the customer experience
- Serves as an advocate for the customer/end-user, empathizing with them while being mindful of business goals and opportunities.
- Works hands-on with team members and stakeholders to resolve questions, clarify designs, and deliver products.
- Embraces, practices, and/or champions design and Agile processes, culture, best practices, and techniques.
- Practices and/or enhances field research methods based on experience and professional learning.
- Practices and/or enhances evaluation methods based on experience and professional learning.
- Contributes to overall customer/end-user experience strategy and vision.
- Learns, teaches, and/or mentors on design topics.
- Supports and/or creates a high-performing, supportive culture among team members.

**Desired Skills:**



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- A background in design – graphic design, interaction design, service design, human computer interaction, etc.
  - Some experience conducting user interviews – contextual inquiry, focus groups, etc.

**Required Skills:**

- A willingness to experiment and learn
- An awareness of Design Thinking methods
- An understanding of the value user centered design brings to the overall customer experience
- Willingness to be the main advocate for the user
- A desire to spread the word about the value of a designer to a larger audience

**Work Pattern Details:**

Hybrid. We do need to come onsite from time to time for experiments, customer interviews, etc.

**Additional Info:**



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**Rotation ID:** 3,254

**Job Title:** Emerging Technology Analyst

**Supervisor:** Bradley Bogedin

**Supervisor Email:** bbogedin@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technical Specialty

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Advanced Infrastructure Technology & Security Services

**Department Description:**

At Ford Motor Company, we believe freedom of movement drives human progress. We also believe in providing you with the freedom to define and realize your dreams. With our incredible plans for the future of mobility, we have a wide variety of opportunities for you to accelerate your career potential as you help us define tomorrow's transportation. Advanced Infrastructure Technology & Security Services is looking for an Emerging Technology Analyst who will become the subject matter expert and lead for key emerging infrastructure and cyber security technologies to advance and modernize our infrastructure platforms. This role will collaborate with key stakeholders to develop and shape the product strategy and define a product roadmap that will mature concepts into scalable infrastructure services. The successful candidate will have a natural curiosity and desire to create tomorrow while being comfortable with change and always moves forward. The Advanced Infrastructure Technology & Security Services team is responsible for accelerating adoption of emerging infrastructure technologies and cyber security services to enable the Ford + vision.

**Position Duties:**

- Identify emerging infrastructure and cyber security technologies and industry trends that have the potential for innovation, disruption, or modernization of our infrastructure platforms
- Collaborate with business stakeholders and technology partners to develop strategies and roadmaps to mature concepts into scalable infrastructure services
- Participate in emerging technology work groups and perform technology assessments to better understand business use cases, and opportunities aligned to expected business outcomes
- Understand Ford's business strategy and how the emerging technology products fit into the technology landscape and how the technology might enable or accelerate the Ford+ vision
- Work with internal service teams, industry experts, and suppliers to advanced and accelerate Ford's adoption of emerging technologies to modernize our infrastructure platforms.
- Perform proof of concepts and pilots as final stages of validation and integration within



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the larger ecosystem and business applications prior to service creation commitments • Own and maintain the emerging infrastructure technology product backlog • Identifies, manages, and communicates risk at each stage of emerging product development lifecycle to relevant parties; creates visibility to these issues as appropriate • Plans and executes handoffs to designated service team(s); drives product knowledge transfer efforts in adherence to delivery timelines • Serves as product expert and assists in the resolution of escalated issues • Maintain an open feedback loop between stakeholders, teams and customers • Understands how the technologies work and how they can best be used • Understand vendors and technology partners that support this technology

**Desired Skills:**

• 2+ years of experience in design, product development or product management • Strong technical background with ability to quickly understand a specific domain and identify trends and opportunities • Detail-oriented with excellent analytical, interpersonal, and communication skills • Ability to thrive in an environment where you can bring order to ambiguity • Ability to use data to determine which products/features to create and how to increase their market success • Expertise at weighing tradeoffs to make thoughtful decisions that set development priorities • Experience using design thinking to create compelling customer solutions • Experience making build, buy and partner evaluations

**Required Skills:**

• Bachelor's degree in Electrical Engineering, Computer Science, or related field • 1+ years of experience in strategy, design, engineering, product development or product management • 1+ years of experience taking a concept from idea to service delivery

**Work Pattern Details:**

Hybrid work schedule

**Additional Info:**



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**Rotation ID:** 3,436

**Job Title:** Full Stack Software Developer

**Supervisor:** Bogdan Capatina

**Supervisor Email:** bcapatin@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** IT Operations

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** SERVER DEVELOPMENT BUSINESS

**Department Description:**

Database as a Service (DBaaS) is a Computing Service that lets users access and use database systems without setting up their own hardware, installing their own software, and managing the database infrastructure itself. DBaaS is located both on-premise in our global Data Centers as well as in the Cloud (Google Cloud, Azure, and AWS). Ford's DBaaS team manages the database strategy and roadmap while operating database infrastructure to support and enable application teams and business partners to support all data at Ford. DBaaS supports architecture design, engineering, monitoring, security, compliance, audit and tooling for on-premise and Cloud environments at Ford.

**Position Duties:**

We are seeking a highly skilled and motivated Full Stack Developer with expertise in Python and a strong understanding of cloud technologies. As a Full Stack Developer, you will be responsible for designing, developing, and maintaining robust and scalable web applications. Your role will involve working with Python, and various cloud platforms to build innovative solutions. Additionally, exposure to machine learning, deep learning, computer vision, and natural language processing will be valuable in this position. Join our team and be part of exciting projects that leverage Python, cloud technologies, and advanced concepts like machine learning and deep learning. As a Full Stack Developer, you will have the opportunity to work on cutting-edge solutions and contribute to the growth and success of our organization.

**Desired Skills:**

Knowledge to support Cloud-based Software Products on the Google Cloud Platform (GCS, Big Query, Data Flow etc), AWS, or Azure Proven track record in making delivery commitments, managing customer expectations, and delivering on commitments Collaborate with an advanced engineering, Product executive leadership team's at Google and help shape database products of the



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future. Proficiency in Python programming and Python libraries language and experience with Java. Exposure to machine learning, deep learning, computer vision, and natural language processing concepts and libraries. Experience working with cloud platforms like GCP, AWS, or Azure, and familiarity with their services and tools. Understanding of containerization technologies (Docker, Kubernetes) and their application in deploying scalable solutions. Strong problem-solving skills and attention to detail. Excellent communication and collaboration skills to work effectively in a team environment. Familiarity with GCP services such as BigQuery, Dataproc, CloudSQL, Terraform, GKE, Cloud Build, Artifact Registry, Cloud Storage, VertexAI, Pub/Sub, GitHub, Pipelines, Terraform, PowerShell, Batch scripting, Python, HTML, CSS, SharePoint Development, API, Database (SQL Server / Bigquery ), Looker Studio, Multi Cloud Toolset, Storage, Google Native Components (Cloud Scheduler, Cloud Run, Pub/Sub, Cloud Storage ) and Automation and Cloud Composer. Test Driven Development GCP Certification(s)

### **Required Skills:**

Help formulate and drive the Database Strategy Perform deep research to into emerging technologies and products to meet the needs of Database Strategy and Fleet Management of Databases on Public Cloud Understand company and business challenges and how integrating AI capabilities can help lead to solutions from a Database Perspective Work with Google product teams on development on new products Collaborate with product managers and stakeholders to understand project requirements and translate them into technical specifications. Design, develop, and maintain efficient and scalable web applications using Python as the primary backend language. Develop APIs and microservices using FastAPI and integrate them with the front-end components. Utilize cloud platforms such as GCP and Azure to deploy, scale, and manage applications effectively. Implement and optimize various cloud services and tools, such as BigQuery, Dataproc, CloudSQL, Terraform, GKE, Cloud Storage, and more. Utilize containerization technologies like Docker and Kubernetes for application deployment and management. Work with HPC, OpenShift, PCF, Jenkins, and Tekton for continuous integration and deployment processes. Collaborate with cross-functional teams, including designers, developers and data scientists, to deliver high-quality software solutions. Conduct thorough testing and debugging to identify and resolve software defects and performance issues. Document software features, technical specifications, and user guides for reference and future maintenance.

### **Work Pattern Details:**

One day a week, and additional days as required. 9:00am-5:00pm

### **Additional Info:**

Strong oral, written and interpersonal communication skills.



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**Rotation ID: 3,391**

**Job Title:** Ford Credit Data Engineer

**Supervisor:** Ben Carlson

**Supervisor Email:** bcarls44@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Analytics and Big Data

**Location:** World Headquarters Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Credit Data Engineering

**Department Description:**

Department Vision & Mission: Re-found Ford Credit into a Data-Full Enterprise. Drive Transformation of Ford Credit, fueled by Data. Simplify data, AI & ML with Google Cloud Platform.

**Position Duties:**

Work in a collaborative environment including paired programming with other cross-functional engineers Work on a small agile team to deliver working, tested data products Work effectively with fellow data engineers, product owners, data champions and other technical experts Demonstrate technical knowledge/leadership skills and advocate for technical excellence Develop exceptional Analytics data products using streaming, batch ingestion patterns in the Google Cloud Platform with solid Data Warehouse principles

**Desired Skills:**

Strong drive for results and ability to multi-task and work independently Self-starter with proven innovation skills Ability to communicate and work with cross-functional teams and all levels of management Demonstrated commitment to quality and project timing Demonstrated ability to document complex systems Experience in creating and executing detailed test plans

**Required Skills:**

Understanding of Google's product technology (or other cloud platform) and underlying architectures Ability to understand, write, and optimize SQL queries Understanding of DevOps principles, including CI/CD pipelines Ability to understand and write python for job orchestration via Astronomer (managed Airflow) Ability to analyze business requirements, ask questions, and map data from source to target

**Work Pattern Details:**

The team typically collaborates 1-2 days per week in WHQ.

**Additional Info:**

Ford Credit ET team deeply values the FCG program and is committed to providing exciting



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development opportunities, intentional mentorship, and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.





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**Rotation ID:** 3,414

**Job Title:** Software Engineer - Quality

**Supervisor:** Brandon Eldred

**Supervisor Email:** beldred1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Manufacturing Quality

**Department Description:**

Manufacturing Quality is a team of individuals who are responsible for ensuring the proper production of automotive components, subsystems, powertrain (Engine/Transmission/Axle) and completed with quality at our plant sites. The Manufacturing Quality team supports and develops various applications and tools to support our Stamping, Assembly and Powertrain teams.

**Position Duties:**

This is a software development position with a focus on development for IIOT platform. You will collaborate with engineers from the Advanced Manufacturing team and IT staff to deliver projects and features. You will be responsible for the development and ongoing maintenance of products in the virtual manufacturing space using agile, test-driven development principles. As a part of the team the candidate will be exposed to angular platform and framework, bootstrap framework, REST apis and other technology components. This position will primarily focus on re-engineering the way our factory employees interact with a Manufacturing Quality System.

**Desired Skills:**

- Bachelor's Degree in Computer Science or related field
- 2+ years of professional full-stack software development experience: Object-Oriented or Functional languages such as Java, JavaScript, TypeScript or similar
- Exposure and experience in Architecture and Software Design Pattern
- Experience with continuous integration/continuous delivery tools and pipelines (e.g., Jenkins, Tekton, Gradle, etc.)

**Required Skills:**

- Expertise in eXtreme Programming (XP) disciplines including: Paired programming, Test-first/test-driven development (TDD)
- Strong understanding of clean code concepts
- Experience with Java backend framework like Spring Boot
- Experience with microservice architecture, REST APIs, SOAP/WSDL/XML/SOA, etc.
- Experience working with cloud technologies (GCP, PCF)



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**Work Pattern Details:**

Hybrid - Time spent in plant as needed with the customer with flexibility to be remote for a portion of the work pattern.

**Additional Info:**

This position will provide a new opportunity to learn while providing real value to Ford Motor Company.



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**Rotation ID:** 3,463

**Job Title:** Data Engineer

**Supervisor:** Bhaskara Varanasi

**Supervisor Email:** bvaranas@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Analytics and Big Data

**Location:** Regent Court

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** PEM

**Department Description:**

Customer Data Marts (CDM) is part of the Customer 360 Portfolio in GDIA. CDM team is looking for Data Engineer with hands on experience using Lean and Agile methodologies to deliver various Purpose Built Data Products to support Marketing and Sales, FCSD, High Speed Modelling and Marketing and Service Campaign teams. Data Engineer will be part of the CDM product teams and will collaborate with Product Managers, Designers and Product Owners to build, validate, and release Data Products.

**Position Duties:**

- Contribute to overall data standards, information interoperability, data quality, and data availability.
- Perform Quality Assurance and resolve data quality issues.
- Evaluate, explore, and select the right data platform technologies to meet analytics requirements.
- Model data, create data flow diagrams, build data pipelines to load, and perform transformation.
- Drive alignment and delivery of data transformations and data products to meet business objectives.
- Build product and align the best coding and process practices that improve efficiency, speed, stability, system resources and capabilities.
- Translate business requirements to build scalable, sustainable, efficient, coded processes.
- Productionize coded processes and contribute to overall customer/end-user experience strategy and vision. Support scalable growth, to accelerate delivery of business value.
- Drive the data strategy and align it with continuously changing business landscapes utilizing his background in data design, data architecture, and data modeling (both transactional and analytical).

**Desired Skills:**

**Required Skills:**

- Knowledge in Google Cloud Platform: BigQuery (BQ), Dataproc, Dataflow, Cloud Data Fusion, Dataprep, etc.
- Experience as a data engineer, software developer, or similar
- Knowledge in Python, Java, and SQL
- Familiarity with Hadoop or suitable equivalent
- Excellent analytical and problem-

# Fall 2023 - ET FCG Rotation List

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solving skills • Writing high-performance, reliable and maintainable code • Agile development experience and working under PDO model • Experience with ETL(Data Stage) /ELT and data integration tools

**Work Pattern Details:**

Weekly one in Office

**Additional Info:**



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**Rotation ID:** 2,860

**Job Title:** Container-based/Kubernetes and Serverless Software Engineer

**Supervisor:** Colin Astley

**Supervisor Email:** castley2@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Enterprise Architecture

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Enterprise Architecture: Dev Enablement

**Department Description:**

The Containers as a Service (CaaS) Dev Enablement team provides technical leadership and support to PDO teams with developing, building and deploying Cloud Native, Serverless (GCP Cloud Run and Knative), Cloud Tolerant (Java Enterprise Edition) and Commercial Off-the-Shelf (COTS) applications to Ford's OpenShift Kubernetes and GCP Platforms. We develop new architecture patterns, guides, FAQs, videos, reference CI/CD pipelines (Tekton and GitHub Actions), pipeline generators, Tekton task and base container images, components and best practices teams can follow to run their applications in these complex and interesting hosting environments. We also provide consulting and guidance to help development teams and architects better understand Ford's cloud capabilities, migrate between platforms and solve technical issues.

**Position Duties:**

The CaaS Development Enablement team is seeking an FCG Software Engineer to support application team usage of Ford's OpenShift/Kubernetes and GCP Platforms. This is a hands-on position where you will be consulting with PDO teams, developing architecture patterns, experimenting with new technologies, working with ITO Engineering and sibling Dev Enablement teams, creating utilities, reference pipelines, guides and code samples to demonstrate best practices. Specific Duties: 1) Act as a consultant/mentor to PDO teams that are configuring and deploying applications to Ford's OpenShift and GCP platforms. 2) Provide architectural guidance for container-hosted and serverless applications. 3) Support troubleshooting and problem isolation during application incidents. 4) Explore new container-based, serverless and GCP service technologies and evaluate their practical usefulness through experimentation. 5) Educate team members on best practices by publishing technical guides and architecture patterns. 6) Brainstorm for new ideas and ways to improve application delivery.

**Desired Skills:**



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1) Experience with Java and GitHub. 2) You will not be expected to join knowing about GCP, containers, Kubernetes and Tekton, we will teach you. 3) Entry-level experience with Linux/Unix. 4) Working understanding of builds and scripting: bash, gradle, python, Jenkins.

**Required Skills:**

1) Previous experience with software development, infrastructure development, or DevOps. 2) Ability to use a wide variety of open-source technologies. 3) Ability to research, experiment and do POCs with new technologies 4) Having a keen attention to detail and strong problem-solving abilities. 5) Good interpersonal skills and communication with all levels of management. 6) Ability to multitask, prioritize and manage time efficiently.

**Work Pattern Details:**

Currently the team comes into the office once per month. At times it is required to come into the office more, mostly in order to attend department meetings. As "return to work" progresses we should expect that coming in more often may eventually be required.

**Additional Info:**



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**Rotation ID:** 3,451

**Job Title:** Software Engineer FCG

**Supervisor:** Cathie Hill

**Supervisor Email:** cbake159@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** PBT: Software Engineer

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** GDIA DATA TECH NA

**Department Description:**

Global Data Insight & Analytics (GDI&A) aspire to navigate Ford Motor Company through the disruptiveness of the information age, harnessing the power of data and artificial intelligence to realize the enterprise's known goals, reveal hidden opportunities, and achieve data superiority. As part of our Global Data Insight & Analytics Team, we are a team of passionate technologists with broad experience in Cloud and distributed systems, Micro-services, APIs, and Machine Learning. We think in terms of scale and architecture.

**Position Duties:**

- Work hands-on with the team to deliver high-quality software products that meet our customer's requirements and needs.
- Deliver Software products as a software engineer, with Agile development using PDO methodologies.
- Participate and contribute to designs and architecture discussions
- Adopt Technology and Architecture standards leveraging cloud technologies such as GCP, Bigquery, and NOSQL
- Leverages logging tools such as Cloud Logging, Dynatrace to support DevOps and debug production issues
- Foster DevOps CI/CD infrastructure and an Automated Testing mentality and capability.
- Grow technical capabilities/expertise and provide guidance to other members of the team

**Desired Skills:**

- Bachelor's Degree in Computer Science, Computer Engineering, or a related field.
- Object-Oriented Development experience, includes building microservices architectures on JVM platform
- Data pipelines and big data technologies, such as GCP Big Query, Java, Python, Spark, Kafka, SQL, and NO-SQL databases
- Understanding test-driven development (TDD/BDD), Pair Programming, self-documenting code, continuous refactoring, and writing Unit, Integration, and Acceptance test cases
- Experience with CA Agile Central (Rally) or Jira or similar Agile Tools

**Required Skills:**



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- Hands-on experience with open-source technologies such as Kubernetes, Docker, and Kafka. - Proven expertise in using Continuous Integration/Continuous Delivery tools and pipelines such as Rally, GitHub, Jenkins, Maven, Gradle, etc. - Understanding of software development principles, including design patterns, software architecture, and testing methodologies. - Proven tackling and problem-solving skills to quickly identify and document the root cause of issues and optimally communicate possible resolutions - Ability to work collaboratively with others and navigate sophisticated decision making - Strong written and verbal communication skills by collaborating with multi-functional teams to develop comprehensive product test plans, solve issues, etc. in a fast-paced, agile environment.

**Work Pattern Details:**

Hybrid, work in office 2 days onsite, Dearborn area

**Additional Info:**





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**Rotation ID:** 3,249

**Job Title:** Plant IT Engineer - Livonia Transmission Plant

**Supervisor:** Christopher Calleja

**Supervisor Email:** ccallej1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Site Management and End User Support

**Location:** Automatic Transmission Ops

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** North American Plant IT Operations – Livonia Transmission Plant

**Department Description:**

Provide onsite IT operational support for plant systems used to build transmissions that go into our top selling Ford and Lincoln products such as F-150, Explore, Bronco, Expedition, Navigator, Aviator, Nautilus and many more.

**Position Duties:**

All aspects of IT are covered: Support of 60+ physical and virtual Windows/Linux servers. Support of Cisco network switches and port configuration. Support of new model program launch and applications that run several assembly lines. Plant Floor Applications: Q-Das - Quality application statistical process control QLS-CM - Birth history, Quarantine, Part information FIS/POS - Machine monitoring application WMA - Transmission test software and support OBL - Out bound logistics for Shipping Transmissions

**Desired Skills:**

self-starter, highly motivated, takes initiative

**Required Skills:**

Good communication/social skills

**Work Pattern Details:**

Fully On-Site required - Shifts range from Days, Afternoons, and Midnights.

**Additional Info:**

All aspects of IT are touched in one form or fashion working at the plant. Plant IT is IT to all the people in a plant. This could range from help desk support to the implementation of complex new technology and networks supporting new model launches. Candidates will get a chance to interact with people in all areas of the business and gain exposure to our core operations. Please feel free to contact Charles Denard II (cdenard1) Plant IT manager, or Fadi Lamie, our current FCG with any questions.



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**Rotation ID: 3,215**

**Job Title:** Security Service - IAM Azure and GCP B2B/B2E Cloud Engineer

**Supervisor:** Curtis Czarnomski

**Supervisor Email:** cczarnom@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** ITO Security Service

**Department Description:**

Identity, Authentication and Authorization Management (IAM) Azure and GCP B2B/B2E Cloud Engineer is responsible for implementing our enterprise Cloud Based IAM solutions to support Ford's Business to Business (B2B) and Business to Enterprise (B2E) communities within Ford's Public Clouds which are Azure and GCP. As we receive new User Stories from the Business, Engineering will build out solutions to satisfy those User Stories, will implement the solutions and finally will provide 3rd level support when required. The IAM Cloud Service aligns under the Security Service Offerings within ITO's Foundational Services branch. The IAM Cloud Service team is responsible for the following technologies and services: 1) Identity & Credential Management which includes Cloud Based Identity Management Service for Customer identities (i.e., used by the entire Enterprise.); 2) Authentication Management which includes Cloud Based Authentication Services for Customer identities (i.e., Providing Secure Login using MFA, Providing MFA Services for Enterprise Applications, Providing Strategic Federated Authentication Solutions in the Public Clouds and for SaaS Applications.); 3) Authorization Management which includes Cloud Based Authorization Services for Customer Identities (i.e., Just-In-Time-Access, Least Privilege Model, Zero-Trust, etc.); 4) Cloud Based Security for further protecting Ford's B2B and B2E Identities.

**Position Duties:**

- Support engineering efforts for the next generation B2B/B2E IAM solutions at Ford using the Azure AD and GCP Platforms.
- Document requirements, use cases and user scenarios
- Implement and refine business processes
- Maintain engineering diagrams, documentation and SharePoint sites
- Evangelize IAM industry best practices within Ford such as Multi-Factor Authentication (MFA)
- Provide 3rd level technical support to resolve systemic problems and ensure continuous improvement is maintained
- Maintain team status and weekly reporting
- Research industry trends and provide strategic input for Security product road-maps



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**Desired Skills:**

• Analytical and Problem Solving Skills • Writing and Communication Skills • Development Skills (e.g., Architecture Design, Programming, etc...) are nice to have

**Required Skills:**

• Self-Driven • A desire to learn along with a desire to help shape the Security Infrastructure for the entire Enterprise.

**Work Pattern Details:**

Fully Remote unless required to come in for a Department meeting.

**Additional Info:**

This will be an excellent opportunity for someone that would like to gain security expertise within a large enterprise and focus on IAM (i.e., Consumer Identity Provisioning/Usage, etc.). No prior experience required, only a desire to gain knowledge and work hard within a fast moving team environment both with access to industry experts who enjoy the challenges the job brings every day and with the ability to help shape the Enterprise's Security Infrastructure services.



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**Rotation ID: 2,749**

**Job Title:** Identity Management Cloud Service Security Engineer

**Supervisor:** Curtis Czarnomski

**Supervisor Email:** cczarnom@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Security Service

**Department Description:**

Identity, Authentication and Authorization Management (IAM) Cloud Service Security Engineering is responsible for implementing our enterprise Cloud Based IAM solutions. As we receive new User Stories from the Business, Engineering will build out solutions to satisfy those User Stories, will implement the solutions and finally will provide 3rd level support when required. The IAM Cloud Service aligns under ITO's Security Services branch. The IAM Cloud Service team is responsible for the following technologies and services: 1) Identity & Credential Management which includes Cloud Based Identity Management Service for Customer identities (i.e., used by Mobility Experiments, Ford Pass, etc.); 2) Authentication Management which includes Cloud Based Authentication Services for Customer identities (i.e., Federated Login using OIDC, MFA such as FIDO2, Risk-Based Login, etc.); 3) Authorization Management which includes Cloud Based Authorization Services for Customer Identities (i.e., Just-In-Time-Access, Least Privilege Model, etc.); 4) Cloud Based Security for Customer Identities. The Identities managed in the Clouds range from Enterprise Accounts (B2E), Business Accounts such as Dealers/Suppliers (B2B), Consumer Accounts (B2C). The department is responsible for all Identities that Ford is reliant on for its day-to-day business. Those Identities are used to run Ford's Plants, Ford's Day-to-Day Business and all the way to Ford's Consumer Offerings (Vehicle Services, Ford Credit, etc...).

**Position Duties:**

- Support engineering efforts for the next generation IAM solutions at Ford (e.g., Cloud Services such as Azure, Azure B2C, Google Cloud Platform [GCP] and IBM Security Verify [SV], etc.)
- Software Engineering of solutions with a focus on Automation.
- Document requirements, use cases and user scenarios
- Implement and refine business processes
- Maintain engineering diagrams, documentation and SharePoint sites
- Evangelize IAM industry best practices within Ford such as Multi-Factor Authentication (MFA)
- Provide 3rd level technical support to resolve systemic problems



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and ensure continuous improvement is maintained • Maintain team status and weekly reporting • Research industry trends and provide strategic input for Security product road-maps

**Desired Skills:**

• Analytical and Problem Solving Skills • Writing and Communication Skills • Development Skills (e.g., Architecture Design, Programming, etc...) are nice to have

**Required Skills:**

• Self-Driven • A desire to learn along with a desire to help shape the Security Infrastructure for the entire Enterprise.

**Work Pattern Details:**

Quarterly for collaboration or department events. Otherwise, fully remote. Option to go into the office as often as you prefer though.

**Additional Info:**

This will be an excellent opportunity for someone that would like to gain security expertise within a large enterprise and focus on IAM (i.e., Consumer Identity Provisioning/Usage, etc.). No prior experience required, only a desire to gain knowledge and work hard within a fast moving team environment both with access to industry experts who enjoy the challenges the job brings every day and with the ability to help shape the Enterprise's Security Infrastructure services.



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**Rotation ID:** 3,055

**Job Title:** Product Manager

**Supervisor:** Christopher Dorman

**Supervisor Email:** cdorman1@ford.com

**Positions Available:** 2

**Position Type:** Business/Process

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Strategy, Communications, Planning, and Project Management

**Location:** iTek Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Software Excellence - Team Shelby

**Department Description:**

As the Product Manager, you will maintain an entrepreneurial mindset while working with the Product Team to understand a problem space, ideate and validate an ideal solution, and deliver an MVP that routinely evolves through user and stakeholder feedback. Team Shelby is looking for Product Managers that embrace Lean, Agile, and Human Centered Design practices to deliver innovative software products for Ford Motor Company. Product Managers will collaborate directly and continuously with Software Engineers, Designers, and Subject-Matter Experts. Through customer-driven research, we cultivate and bring only the most valuable solutions to light. Team Shelby is a place designed for exploration, experimentation, and trust. Our practices and principles are how we go about our day, but the core of our success lies in a culture of collaboration. We thrive in an environment where we can fail fast and learn from each other. We trust the team to support diverse opinions and encourage our entrepreneurial spirit. Team Shelby partners with Ford businesses to solve significant problems by developing digital products and services in a lean, human-centered fashion. Team Shelby is passionate about putting customers first. Through small balanced teams practicing extreme programming, lean methodologies, and human-centered design, we move fast, experiment, and iterate until we create the right customer experience. Team Shelby is a place where new ideas can be proven or thrown out in a very short time frame. This rotation will be part of Team Shelby in part of Marketing Sales & Service that builds real products such as a website for dealers that helps Ford get vehicles to dealers faster than current ordering processes. Software Artisan site: <https://artisan.ford.com>

**Position Duties:**

What you'll be able to do: • Creatively identify and communicate with potential customers to define their needs and identify hypotheses for testing. • Create assets to guide product development work (Discovery + Framing documents, opportunity trees, user stories for implementation). • Deliver



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incremental value by making smart, decisive tradeoffs using data-driven analysis and sound judgment. • Develop and test product hypotheses, working in a lean and iterative way. • Facilitate product research and discovery with the Product Team • Collaborate with members of the Product Team to define specs, requirements, and acceptance criteria for deliverables. • Work with key stakeholders to set strategy, define the product roadmap, and make appropriate trade-offs between features and speed. • Be responsible for outcomes by setting clear goals and measuring key results. • Help stakeholders understand our iterative development approach. • Mentor and train PMs to help them learn Agile/XP methods and build skills. • Innovate and iterate on Agile PM processes and share our learnings.

### **Desired Skills:**

- Experience with progressive responsibilities in software development
- Experience defining the product vision, strategy, and product roadmaps and creating and managing backlogs
- You are entrepreneurial, independently driven, resourceful, and able to deliver results with minimal direction.
- Exhibit excellent communication skills. Must be comfortable presenting to customers and internal audiences.
- Comfortable presenting to and interacting with vendors, customers, and senior leadership.
- You are a champion for collaborative, iterative product discovery, and embrace your role as a member of a cross-disciplinary team.
- Have exposure to lightweight product development methods such as user story mapping or rapid prototyping.
- Bring curiosity about new technology and exhibit a strong desire to learn.
- Exhibit user empathy and seek their input at all stages of the product life cycle.
- Experience working in Lean, human-centered, agile software development

### **Required Skills:**

- 1+ years of facilitating workshops or ceremonies such as defining/redefining the project's objectives or requirements, setting key milestones, managing roadmaps, prioritizing competing projects, discovery any roadblocks, sprint planning, daily stand-ups, sprint review, and/or sprint retrospective

### **Work Pattern Details:**

The team works remote and has fully remote members. At times there are optional in person team building activities like picnics.

### **Additional Info:**

Team Norms and Culture (team defines these):

- We pair or ensemble (mob) program on all our stories
- Team reserves every Friday afternoon for power-up activities
- Daily and weekly game time
- Meetings only when necessary, and cancel meetings that aren't effective
- Core hours: 9AM to 4PM
- Pair programming is a discrete skill that takes effort to learn and improve, so we take regular breaks during pairing sessions and provide each other with support and feedback
- Safe environment to learn, teach and share knowledge (everyone's opinion & abilities are respected)
- Supportive of a variety of self-learning methods

Growth Opportunities:

- Learn to design new products and features based on user research



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**Rotation ID:** 2,097**Job Title:** Data Center Network Engineer**Supervisor:** Chris Gieske**Supervisor Email:** cgieske@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Operations**Job Family:** ITS Technical Specialty (Network, OS, Data Center, etc.)**Location:** Ford Motor Credit Company Building**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** Bi-weekly**High Tech, High Demand (HTHD) Position?** No**Department:** Global LAN & Data Center LAN Service**Department Description:**

The Global Data Center Local Area Network (DC LAN) Services team is part of the Global LAN Service department, which falls under the broader Network Service organization. In addition to Data Center LANs, the Global LAN Service department is responsible for end user & host network connectivity globally including office building LANs, Plant LANs & compute rooms, indoor/outdoor WiFi, network admission control (ISE - Identity Services Engine), and network automation & assurance tools such as Digital Network Architecture-Center (DNA-C) and Nexus Dashboard. In addition to the Global LAN Service, the Network Service organization includes teams focusing on Multi-Cloud & WAN, Extranet & Network Automation, and Network Operations & Tools.

**Position Duties:**

General responsibilities include:

- Plan, & implement both routine and complex network projects and changes
- Work with the Inventory Manager on getting quotes, submitting orders, and taking delivery of equipment
- Creating and updating Bills of Material (BOM) for key suppliers - Cisco, OpenGear, and Anixter
- Manage capacity and deployment of core network components (switches, transceivers, and cabling)
- Consult with Architects and Engineers from other teams on standards development and deployment practices
- Coordinate change management when disruptive network changes are introduced to the data center environment
- Work with customers to develop and maintain a technology roadmap that captures critical inflection points related to emerging customer requirements (higher speed interfaces, new design, etc.)
- Improve documentation standards (Share Point/ Office365, GitHub, Visio)
- Improve automation capabilities in all aspects of Data Center network delivery
- Improve network assurance through a combination of better integration of existing tools & data sources and the introduction of new capabilities (ex: Nexus Dashboard Insights)

**Desired Skills:**

- Hands on experience with Cisco Nexus switches, Application Centric Infrastructure (ACI) or other





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Software Defined Networking (SDN) technologies • Familiarity with using Command Line Interfaces (CLI) • Knowledge of Domain Naming System (DNS), load balancing, cloud technologies, virtualization, Linux/Windows server administration, and containers & related technologies (Pivotal Cloud Foundry / Kubernetes / Openshift, etc.) • Knowledge of data network cabling (Cat6/7, multi-mode & single-mode fiber optics & transceivers, etc.) • Infrastructure Automation & API familiarity & experience with Github, Python, Golang, Node js, PowerShell, JSON, YANG/YAML/NETCONF, and Postman

**Required Skills:**

• Bachelor's degree in technical field (CIS, MIS, Cyber Security, etc.) • Strong desire to learn about cutting edge network and data center technologies • Basic understanding of networking concepts such as the Open Systems Interconnection (OSI) Reference model, TCP/IP, Ethernet, and routing & switching • Familiarity with Ford's infrastructure service delivery model using Agile methodologies (Scrum/Kanban) and Rally • Proficient in Microsoft Office products including Word, Excel, Visio • Good organizational and project management skills • Good oral and written communication

**Work Pattern Details:**

Occasional onsite work (Dearborn, MI) may be required for collaborative meetings, lab work, and data center surveys. Estimated onsite time is between 10-25% or more if person prefers to work onsite.

**Additional Info:**

This position will report to Chris Gieske (cgieske). There is a lot of room for the position to evolve depending on the candidate's skills. One of the previous FCGs excelled, was able to roll off of his FCG program early, and continues as a senior member of the team today. There may also be opportunities to develop financial planning and supplier relationship management skills.



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**Rotation ID:** 2,879

**Job Title:** Kubernetes Site Reliability / Platform Engineer

**Supervisor:** Chris Loftis

**Supervisor Email:** cloftis1@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Operations

**Job Family:** ITS Software Engineering

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** ITO Cloud Platform Services

**Department Description:**

As a member of the Container-as-a-Service (CaaS) team, This FCG will have opportunities to work on collaborative efforts between the Cloud Platform teams and Embedded Vehicle Software, Global Data Insights/Analytics, Connected Vehicle, Product Development, and Manufacturing (to name only a few!) as these teams embark on their transformation journey to modernize and containerize their application. Kubernetes and Containers are a skillset that has grown in the last few years to become a cornerstone technology of the Software Engineering world (over 45% of medium-large companies have deployed Kubernetes platforms in their environments with a 10% uptick in the last year alone!). After this rotation, an FCG will have a foundational skillset in Cloud Technologies (Google Cloud, Kubernetes, CI/CD Pipelines, Git, and languages such as Go!, NodeJS, BASH/Shellscript, and more), understanding of Ford's Cloud strategy, experience working in an Agile (SAFe/LEAN) DevOps / Platform Engineering team, and be well positioned to pursue opportunities within the Cloud Platforms or within the Ford Software Engineering Product Driven Organization (PDO) in roles such as Product Management, Site Reliability Engineering (SRE), Cloud Solutions Architecture, Platform Engineering, and Software Engineering.

**Position Duties:**

- Collaborate with fellow Platform Engineers and Product Manager/Owner to identify pain points and opportunities for our team to prioritize and address with solutions - Research/Experimentation/Engineering/Support of Platform as a Service (PaaS) technologies such as Kubernetes (GKE, OpenShift) - Development of automation for deploying and managing Kubernetes Platforms on multiple technologies (Google Cloud, Microsoft Azure, and VMWare ESX On-Premises) - Development of automation for providing additional self-service capabilities for platform customers - Collaborate with DevEnablement/DevRelations partners to understand the needs of our customers and establish customer feedback loops



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**Desired Skills:**

The desired skills for this position is an FCG with an interest in Cloud Technologies with curiosity, a desire to learn, and the passion to challenge status quo and attack complex problems! Basic knowledge of Linux/Unix based systems and prior programming experience (academic) are a plus as a kickstarter but not required.

**Required Skills:**

See desired skills

**Work Pattern Details:**

Our team is global with our Southeast Michigan team members operating in a Hybrid model with Bi-Weekly on-sites for collaboration / agile sprint planning.

**Additional Info:**

This position is a great opportunity to grow an FCGs skills from zero to hero in an industry changing technology on a team that has become a destination for IT FCGs and IT FCG Alumni! Come join our team and grow your skills from a beginner to containers hero on a team passionate about learning and innovatively solving real problems through technology!



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**Rotation ID:** 3,392

**Job Title:** Software Developer Manufacturing Quality systems

**Supervisor:** Carol Lund

**Supervisor Email:** clund1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** PBT: Software Engineer

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT Manufacturing

**Department Description:**

Teams in this Department are responsible for end to end development, implementation, and support of Quality systems for all plants making vehicles and powertrain components, located around the world, with real time 2 way communication between manufacturing floor devices (which build components and vehicles) and the IT solutions. The communications facilitate quality verifications, birth history, and component traceability. Teams work on a compliment of projects ranging from emerging technologies for new Program deliverables such as publishing to Google Cloud Platform; to remediation of existing code base to ensure security compliance; as well as building new translation solutions to address obsolescence and hardware decommissioning. Teams work on strategic, proof of concept, as well as operations support and tactical efforts, to ensure production uptime at plant facilities. Team members work remotely, to support Servers located around the world, and are part of a global team across time-zones, with members based in Michigan, India, and Europe.

**Position Duties:**

Join a software development team, and collaborate on assessments, designs, proof of concepts, and coding solutions to drive improvements to the Manufacturing solution landscape. Conduct testing of application updates and infrastructure changes, to ensure performance, functionality and security standards are met. Help team improve efficiency with adoption of test automation and continuous integration, continuous development standards. Ex. Playwright, SOAP UI. Review global data information sets to assess problems and repeat failure modes. Area of team focus includes engineering enhancements to core system engine logic (features, usability, testing, refactoring, database) as well as tactical migration paths for legacy automation with unique supplier Machine communications (risk avoidance, remediation, security compliance); and scale up of Google Cloud Publishing with products such as DeviceWise. As there is a wide variety of active projects, the job position opportunities will be tailored to meet interest and skill level of the candidate, and to ensure a



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great experience in Ford's plant floor manufacturing environment, while working remotely (i.e. home or occasional collaboration center). Could include projects such as Web Portal user experience (UX) revamp; and Traceability Automation; and Test and Deployment automation modules. It is exciting to play a key role in facilitating vehicle assembly, and that is what this department is all about. Teams have fun, keeping it light, as we work on valuable project deliverables each day. Occasional social meet up (few times per year).

**Desired Skills:**

Team player, communication skills, delivering results, integrity, passion for the business - Flexibility - Troubleshooting, failure mode analysis. Capable of managing work with limited supervision. As an FYI, the teams product base includes these technologies: .net technologies, Csharp, ASP.NET, Oracle client and DB 12c 19c, Windows services, Web Services, SOAP, XML. Additionally the team is exposed to MQTT, GCP, DeviceWise, Telit, Restful services, Visual Studio 2010 and above, Oracle Developer tool, .net4.5, Win 2K8. 2K12, 2K16, 2K19 queries, scripts.; real time data acquisition, PLC messaging, OPC communication, simatic net, factorytalk, kepware, WCF; Agile; Rally; GitHub; Jenkins; Playwright

**Required Skills:**

Short list of core skills include: some software developer skills which you would like to improve, database query knowledge, cyber security, testing, assessments, documentation, software deployments, source repository, agile methodology. The primary languages and technologies to be built include: net technologies, Csharp, ASP.NET, Oracle client and Database 12c 19c, Windows services, Web Services, SOAP, XML, Github.

**Work Pattern Details:**

Team is located in both Detroit Michigan area, and Chennai India. Team and organization are classed as Hybrid but teams mostly work fully remote with occasional in office meeting (quarterly) for strategy, or plant manufacturing site visit review, or Company Town Hall, or for social meet up.

**Additional Info:**



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**Rotation ID: 2,260**

**Job Title:** Security - Directory Service Software Engineer

**Supervisor:** Charles Qi

**Supervisor Email:** cqj@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** NA COMP OPRNS MGR

**Department Description:**

We provide engineering and support for the corporate core security infrastructures like Active Directory, Ford Directory Service , Azure Active Directory (cloud), Google Cloud Identity, and GCP AD service (cloud)

**Position Duties:**

Provide software engineering in support of core Security Infrastructure solutions: • Active Directory Lightweight Directory Service(AD LDS) • Azure Active Directory Connect/Azure Active Directory (cloud) • Develop and Maintain solution to automate server configuration; upgrade and maintain Security Infrastructure software • Test and roll Security Infrastructure homegrown solutions from the QA environment to the Production • Develop scripts to monitor performance and security of various environment servers(.i.e. Dynatrace Dashboard) • Automate GCP VM auto-join and server related maintenance tasks • Develop/support Terraform Provider, IaC for GCP AD service • Develop/Integrate APIs and Cloud run to access Directory Service • Develop/Integrate REST API, Graph API to monitor/fix AD/FDS/EIdM/AAD/Google Cloud Identity users/groups synchronization

**Desired Skills:**

• Windows & UNIX/Linux operating system knowledge • Understanding of network topology • Knowledge of software distribution methods (i.e github)

**Required Skills:**

• Interest in IT Security • Motivated, self-starter with ability to manage time effectively • Scripting/ Programming skills (ex. PowerShell, Python, PHP, Go, Java)

**Work Pattern Details:**

Monthly: 1/2 days in office for workshop, team building event, or other events. Otherwise, work remotely.

**Additional Info:**

# Fall 2023 - ET FCG Rotation List

October, 2023



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- Learning what the back-end security infrastructures which are key to emerging technologies (ex. Cloud Computing, Identity as a Service (IDaaS) )
  - Learning hands-on cyber security skills on how to run and protect critical security infrastructures
  - Learning automation to enhance operation efficiency
  - Learning IaC, terraform, cloud-run, cloud-scheduler, GCP service
  - Learning Dynatrace, Apigee, JMeter tools



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**Rotation ID: 3,376**

**Job Title:** Cloud Serverless Engineer

**Supervisor:** Chris Russell

**Supervisor Email:** crusse96@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Cloud Services

**Department Description:**

Cloud Services is a department of the Application Development Platform Delivery Service Cloud Services embodies the "Go Further" ethos with global, industry-leading, full life-cycle, around the clock support to mission-critical infrastructure across the enterprise. Our Team Operating Values include: - Embrace Change, encourage Innovation, accept Challenges - Resolve immediate issues designed for a long-term strategy and ongoing support - Apply Effective Leadership and Efficient Management that Lead-By-Example - Enable and develop our Employees to embrace new technologies and processes - Measure our QOS by implementing Best Practices and Industry Benchmarks - Provide a Challenging Environment which fosters Professional and Personal Growth

**Position Duties:**

Our team is also responsible for the enablement of Google Cloud Platform (GCP) Serverless technologies including Google Cloud Run , Google Cloud Functions, EventArc and Knative. A Cloud Serverless Service Engineer participates in a DevOps environment leveraging emerging technologies. This position works closely with engineering, operations, development teams, and product vendors to implement and support the suite of Serverless services like Cloud Run, Cloud Functions, EventArc in Google Cloud Platform (GCP). Service Engineer Opportunities: • Automate infrastructure processes and deployments • Develop customer-facing cloud-native APIs and external services • Work with industry-standard monitoring tools such as Dynatrace and Google Monitoring • Learn the inter-workings of Cloud from networking to the hosted apps • Programming language, operating system, and service proficiencies with: - Linux - Go - Terraform - Java This is an emerging technology at Ford and requires the individual to stay abreast of the continual evolution of changing technology and understand how these services integrate into the GCP environment to fit customer needs.

**Desired Skills:**





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Well spoken yet, customer focused, while being technical Willingness to jump in and focus on immediate difference makers for the deployed platforms Perform at an extremely high level of technical competence and maturity Ability to communicate effectively with all spectrum of users and technicians Ability to assess and resolve business user needs Familiarity with Cloud Technologies with a focus on Serverless offerings Curiosity

**Required Skills:**

Highly motivated individual with strong technical skills & willingness to learn more Knowledge & experience with Linux, Containers, and/or Kubernetes Familiarity with Infrastructure as Code (IaC) tools like Terraform, Jenkins, and/or CloudBuild (pipelines) Understanding about developing CI / CD pipelines Experience with Serverless technologies is a plus Understanding of agile methodologies

**Work Pattern Details:**

Core hours for the North American team are 8:30am - 5:00pm EST. We are a down to earth, technical, agile team where we are flexible with time and hours. There is flexibility with hours depending on the situation (i.e. you are on the west coast, etc).

**Additional Info:**

This is a unique opportunity to work on highly visible emerging technology that is an industry standard. Ford has made the decision to go 'Cloud First' and our platform (Cloud Run) is the centerpiece. 2024 will be an exciting year for our Service Team as we are planning to host new applications and migrate existing cloud native applications to Serverless platforms. While you may not have all the necessary pre-requisites for this position, we are willing to work (through agile pairing) to help you gain the knowledge necessary to be successful in this assignment. If you are willing to learn and grow - you will be successful.



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**Rotation ID:** 3,040

**Job Title:** Cybersecurity Tooling Developer

**Supervisor:** Cameron Smyth

**Supervisor Email:** csmyth5@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Commerce Park North II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** POLICY & STRATEGY

**Department Description:**

Technology is advancing, connection mechanisms are growing, and consumers and hackers are becoming more sophisticated. With increasing networking between modules and access points into the vehicle, the attack surface has increased thereby opening up new potential vulnerabilities. Automobiles are no longer mere mechanical devices but are controlled by dozens of digital computers coordinated by internal networks. While all this technology has allowed for better personalized experiences, seamless integration into a person's lifestyle, differential services, predictive diagnostics and safer driving conditions, the increase in complexity drives the need for advanced security and data solutions. We are expanding the role of advanced embedded computing platforms, coupled with cloud-based services, to deliver applications which will redefine the experience of owning, maintaining, driving and interacting with Ford Motor Company vehicles. Security needs to be built into each of these growing technologies.

**Position Duties:**

The intent of the role is to design, implement and deploy new tooling and/or improvements to existing tooling to assist with verification, validation and usage of automotive security technologies such as CAN Message Authentication (CMA). These tools may be distributed to a wide variety of customers including those inside and outside of Ford. Day to day activities may include mix of: - Represent security point of view in front of various customers (PD, Manufacturing, VEV, suppliers, etc.) - Develop/apply tooling improvements for full system (individual ECUs, system level, backend, manufacturing/service, etc.) - Develop new tooling to support automation of validation plan and to enable greater independence amongst engineering community - Drive improvements to validation plan - Assist on evaluating/test CAN module security, controls and evaluation - Evaluate and enhance interface security controls - Architect security controls in a limited resource environment (embedded system) - Learn security controls and strategies of securing an embedded connected system



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## **Desired Skills:**

Experience developing tooling for desktop and command line environments Experience with technologies/concepts like JAXB, XML, JavaFX, Junit, Gradle, Multithreading, Test Driven Development, CI/CD Pipelines Familiarity with various vehicle network protocols (CAN, CAN-FD, TCP/IP, etc.) Knowledge of embedded systems and Automotive OSs (AUTOSAR, bare metal programming)

## **Required Skills:**

Experience with common programming languages (e.g. Java, Python, C/C++) Understanding of basic cryptographic primitives and how they work (hashing, symmetric keys (e.g. AES), asymmetric keys (e.g. RSA), PKI, digital signatures (e.g. RSASSA-PSS, RSASSA-PKCS1), SHE/HSMs, encryption/decryption, TRNG/PRNG) Basic understanding of layered security controls methods Driven to own work from start to finish and meet customers' deadlines Ability to multitask and prioritize

## **Work Pattern Details:**

Depending on tasks, may be hybrid or fully remote capable.

## **Additional Info:**



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**Rotation ID:** 3,295

**Job Title:** Dealer Network Information - Rest API - Java Developer - HTHD

**Supervisor:** Christopher Vogler

**Supervisor Email:** cvogler1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** IT Solution Design & Development

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Marketing & Sales - Dealer Network and Employee Engagement

**Department Description:**

The Ford Dealer Network Information (DNI) Product Team within the Marketing and Sales Dealer Network and Employee Engagement Department maintains multiple Ford foundational applications that are used to update, maintain, and distribute the core dealer contract and location information. The DNI Product team is experiencing increased demand for its data/services. The team is modernizing its new and legacy interfaces to use rest APIs and Google APIGEE. There may also be opportunities to work on modernizing the application user interface. This position is an opportunity to work with a strong team within Ford across multiple technologies with an opportunity to modernize and shape the future of the Product.

**Position Duties:**

- Work with java rest API's to edit existing and create new complex API's
- Understand complex data structures, varying Business Rules by market, and challenging data joins across multiple applications
- Create high performing complex SQL queries
- Develop, Test, & Deploy API's in the Pivotal Cloud Foundry (PCF) environment (and eventually GCP)
- Enhance API's to help the team migrate off of the Pivotal Cloud Foundry (PCF) environment to the Google Cloud Platform (GCP) likely using Cloud Run
- Be a part of a Ford product team and collaborate with a Product Owner, Product Manager, Anchor, and software engineers
- Work with Business teams to understand requirements for PDO Backlog features and deliver ETL solutions with high business value using Agile
- Participate in PDO product team ceremonies such as Standups, Iteration Planning, Retrospectives, and Release Planning

**Desired Skills:**

- Experience developing java Rest API's
- Experience with Cloud Technologies (PCF & GCP)
- Experience with Security and Code Quality Tools (i.e. 42 Crunch, Checkmarx)
- Experience in extract, transform and load (ETL) development with Oracle
- SQL/database experience involving



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multiple, complex queries

**Required Skills:**

- Experience developing in java
- Experience with key development and deployment tools (ex. Eclipse, GitHub, & Jenkins)
- Analytical experience of complex applications and data relationships
- Team oriented with strong interpersonal skills and able to work as part of a product team
- Strong written/oral communication skills
- Strong drive for results and ability to work independently
- Demonstrated commitment to quality and project timing
- Experience in creating and executing detailed test plans

**Work Pattern Details:**

Fully Remote except for occasional Team Building activities

**Additional Info:**

- The primary goal of this position would be to help develop/deploy new API's and make enhancements to existing API's to support data demands from the Ford Enterprise. Also, helping the team migrate the existing API's in PCF to GCP to support application modernization efforts.
- Java Front End development opportunities could be made available as well.



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**Rotation ID:** 3,450

**Job Title:** Software Engineer (Java Spring Boot Developer)

**Supervisor:** Curtis Wade

**Supervisor Email:** cwade@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** Enterprise Resource Planning (iERP)

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** FINANCE & ACCOUNTING IT

**Department Description:**

Integrated Enterprise Resource Planning (I-ERP) is the Ford initiative designed to drive operational efficiency and material cost reduction by adopting industry leading practices, enabling real-time insights and faster decision making. I-ERP involves end-to-end change for financial and procurement processes, with SAP as the technology facilitating the changes. This role supports the I-ERP Corporate Finance and purchasing Teams

**Position Duties:**

Develop Pivotal Cloud Foundry (PCF) and (GCP) applications and microservices using Java and Spring Boot framework. - Develop and manage APIs using APIGEE (GCP) platform - Participate in the transformation of the Finance and Purchasing teams to a Product Driven Organization using Agile best practices. - Assist with the functional integration of strategic initiatives across components of the SAP solution. - Work hands-on with the development team to prioritize, plan, and deliver software that meets user requirements. - Support testing integration using S4 platform

**Desired Skills:**

Knowledge / experience in Spring-Boot and Microservices Knowledge / experience in Continuous Integration and Continuous Deployment (CI/CD/CT) methodologies Knowledge / experience in Test Driven Development (TDD) and Paired Programming Knowledge / experience with PCF is required, and additional Cloud experience is a huge plus (Bluemix, GCP, AWS) Knowledge / experience around debugging, problem solving and investigative skills. Ability to assimilate disparate information (log files, error messages etc.) and pursue leads to find root cause problems. Knowledge / experience with Java/Spingboot development, API development and management Knowledge / experience with ETL concepts and Google Cloud Platform (GCP) Knowledge with SAP S4 platform Strong communication skills. Knowledge / experience with Agile/Scrum methodology. Self-starter who can work independently.

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**Required Skills:****Work Pattern Details:**

Bi-weekly on site -up to 4 days per month

**Additional Info:**



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**Rotation ID:** 3,435

**Job Title:** Software Engineer: Ford Credit FinSimple Commercial Payments

**Supervisor:** Cindy Witt

**Supervisor Email:** cwalsh2@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Pro FinSimple and Ford Pro Insure

**Department Description:**

The Ford Credit FinSimple Commercial Payments team is part of a group of passionate Software Engineers, Product Designers, Product Managers and Technical Product Managers dedicated to building the future of Ford Credit's FinSimple Commercial web experience within Ford Pro. We love to iteratively build and ship high-quality software features which align with our vision to enable FinSimple commercial customers to pay multiple vehicles, and perform other commercial payment related activities, with only a few clicks. Through the principles of Human-Centered Design and Scaled Agile Framework (SAFe), our team operates to deliver working tested software to enhance customer experience. As a Software Engineer, you will be part of a small, tight-knit team of like-minded engineers who utilize pair-programming, test-driven development, and CI/CD to continuously ship code to production. You'll primarily work in a tech stack of React + TypeScript, GraphQL, AEM and Java + Spring Boot. You will learn and grow through hands-on experience writing and shipping code. We work to create an environment of continuous learning and FUN! We work together as a team, not only to deliver, but also ensure we are following good software craftsmanship and SAFe practices. At the start of your rotation, you will be able to participate in a Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will introduce you to our software craftsmanship principles/SAFe practices and provide a business overview so you can connect your work to value it provides.

**Position Duties:**

- Develop software with a paired partner to deliver user stories
- Develop automated unit tests with working software to confirm software functionality conformance to functional and non-functional requirements
- Follow a red-green-refactor rhythm to writing software with an eye towards writing maintainable code
- Implement tooling that monitors application performance metrics and automatically notifies team when a failure occurs in production
- Support production software





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operations and troubleshoot production issues • Actively participate in SAFe ceremonies • Collaborate closely with other Product Managers and Technical Product Managers to ensure alignment and identify dependencies • Manage team backlog using a backlog management tool (Jira) • Participate in continuous learning/upskilling to support technical direction of the organization

**Desired Skills:**

• Object oriented development background • Familiarity with GitHub or equivalent source control repositories and build tools like Tekton • Experience with JavaScript, client-side frameworks like React. Experience with AEM/GraphQL is a plus. • Desire to code, test, and implement frontend applications using the above tech stack • Knowledge and practical experience of SAFe delivery

**Required Skills:**

• Practitioner in at least 1 object-oriented coding language • Strong analytical and problem solving skills • Willingness to continuously learn • Team player who respects and collaborates well with others

**Work Pattern Details:**

As a hybrid team, we leverage a variety of collaborative tools like Github, Slack, WebEx, VS Code, IntelliJ, Apollo GraphQL and Figma to work together effectively when working remotely. When the need for onsite collaboration arises, we meet at World Headquarters, or another collaboration center, in Dearborn Michigan. The team has a documented set of team norms, including core working hours of 9:00 AM – 4:00 PM ET Monday through Friday.

**Additional Info:**

The Ford Credit Technology Team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 3,412

**Job Title:** Software Engineer

**Supervisor:** Darlene Coomer

**Supervisor Email:** dcoomer@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT Design and Build

**Department Description:**

Product Definition and Offer is an application suite within IT Design and Build. Product Definition and Offer provides the enterprise with buildable configurations that are utilized in over 35+ applications to allow ordering, scheduling and building vehicles. The application suite is a complex Java application that is currently involved in multiple initiatives to update Ford processes related to reduction of product complexity and software subscriptions.

**Position Duties:**

You will be part of an application group that develops software solutions for the Product Development business area. You will be part of a cross-functional team to develop IT solutions for the new approach for Product Definition processes utilizing machine learning. In addition, once requirements are gathered you will be embedded on an application development team that consists of a Lead Software Engineer, 3 to 4 Software Engineers, and a Product Manager/Designer. If you want to gain experience being a full stack developer and working on an agile team this is the position for YOU!

**Desired Skills:**

-Test driven development experience -Experience or understanding of Coding Standards and employing code review procedures -Experience working in an Agile/Scrum development process - Ability to lead discussions regarding requirements

**Required Skills:**

-Java Experience (can be light) -Knowledge or experience with Software Configuration Management tool (can be light) -SQL Experience (can be light) -Desire to code

**Work Pattern Details:**

Monthly in-house sessions, detailed design or requirement discussions in-house (as needed), bi-weekly status meeting in-house, otherwise fully remote.

**Additional Info:**

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Position will be exposed to machine learning and beginning data analytics.



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**Rotation ID:** 3,304

**Job Title:** HPC Systems Engineer

**Supervisor:** Dan DeWaele

**Supervisor Email:** ddewael5@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** IT Operations

**Location:** Information Technology HQ-C

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** High Performance Computing (HPC)

**Department Description:**

Ford's High Performance Computing is a leading industrial supercomputing site, boasting over 250,000 compute core and GPU resources that support global activities in product development, manufacturing, research, GDI&A, and design. The HPC service manages the physical infrastructure and supports applications running on those resources, including emerging technologies like Artificial Intelligence and Machine Learning. The HPC Machine Learning service team hosts and supports AI/ML technologies as part of their offerings.

**Position Duties:**

The HPC team is involved in diverse projects, and this position can be tailored to align with your interests. For instance, you can specialize in one of the areas or contribute to all three: 1. GCP AI Services: As the owners of the VertexAI service in GCP, we keep a close eye on the latest AI/ML features and components released by Google. We conduct thorough testing, verification, documentation, and coordinate with Google on bug fixes and feature enhancements before making them available to the enterprise. Additionally, we work closely with the networking team and other stakeholders to ensure these services are supportable in the Ford environment. 2. HPC Kubernetes: Our on-prem HPC Kubernetes clusters serve as a flexible platform for hosting GPU-accelerated AI/ML models. As part of this role, you will be responsible for implementing and maintaining automation, monitoring, and management tools, as well as Kubernetes components and services. Develop and deploy middleware and tools for running containerized applications (e.g. Docker) • Develop and maintain application launch & management tools supporting Machine Learning applications • Perform AI/ML application performance benchmarking and tuning 3. Kinetica: The Kinetica service offering provides crucial GPU-accelerated database technology, essential for executing geospatial queries. This service is a vital enabler of Ford BlueCruise. The current environment consists of a production cluster and two lower environment clusters, all hosted in GCP on Compute Engine VMs. As part of



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your role, you will be responsible for providing operational support and developing and implementing improvements to the PROD cluster to support growth and enhance performance.

**Desired Skills:**

• Software Development Skills • Familiarity with Kubernetes / containerization • Understanding of basic system performance analysis • Exposure to Machine Learning technologies • Familiar with GCP

**Required Skills:**

• Programming or scripting experience in one or more languages (Python preferred) • Basic knowledge of the Linux operating system • Must be able to work well with customers • Good communication skills

**Work Pattern Details:**

Hybrid or Fully Remote are acceptable.

**Additional Info:**



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**Rotation ID:** 3,421

**Job Title:** Software Engineer

**Supervisor:** Deborah Espinosa

**Supervisor Email:** despinos@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Design & Build

**Department Description:**

Have you ever wondered how the vast amounts of vehicle engineering data is used by other departments within the company? Extended CO2 Forecasting (eCO2) is an application within IT Design & Build that provides services to European business units regarding the impact of CO2 emissions as they make build, pricing and forecasting decisions. These services interface with multiple applications to project CO2 emissions based on several complex factors in a dynamic market.

**Position Duties:**

In this position, you will be integrated into a product driven development team that is responsible for all aspects of software development, from requirements through production support. The team consists of a Lead Software Engineer, 5 Software Engineers, and a Product Manager/Designer. This application is based on modular microservice architecture on Cloud platform. You will have an opportunity to learn the latest Cloud technologies and java patterns.

**Desired Skills:**

-Test driven development experience -Experience or understanding of Coding Standards and employing code review procedures -Experience working in an Agile/Scrum development process

**Required Skills:**

-Desire to create quality and well-tested code -Java Experience (can be light) -Experience with Postman -Experience testing services, including data mocking -Knowledge or experience with Software Configuration Management tool (can be light)

**Work Pattern Details:**

Bi-weekly planning meetings held onsite for local staff with video call for remote team members. Otherwise fully remote.

**Additional Info:**



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**Rotation ID:** 3,425

**Job Title:** Software Engineer - Quality Assurance

**Supervisor:** David Formosa

**Supervisor Email:** dformos5@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** IT Solution Design & Development

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** NA Customer Relationship Management

**Department Description:**

The Always On Retail Customer Experience team will maximize the experiences of Ford delivers to its customers, ensure consistency, and optimize technology investments in the Salesforce platform. The program will unify our approach to CRM and enable a world class enterprise platform for customer relationship management. This is an exciting opportunity that is instrumental in crafting the future in how we do business with our retail customers and is at the center of everything we do.

**Position Duties:**

Customer Communications Quality Assurance Analyst responsible for end to end quality assurance of customer communications for NA Retail Customer Relationship Team • Develops test scripts to test and validate customer communications align with expected copy and rendering. • Co-ordinate configurations of Vehicle lines and marketing descriptions with up-stream teams • Obtaining VL specific Business rules docs, creatives from Business Product Owner • Validate customer communications working with multiple teams • Plan activities in coordination with production Vehicle Line Order bank openings • Prod Monitoring – after prod launch, monitor events in prod, coordinate with product owner, upstream & downstream teams if there are any issues.

**Desired Skills:**

- Able to quickly grasp and assess a variety of areas of focus across different regions and domains and link desired outcomes with potential technical solutions.
- Ability to communicate well with diverse functional teams
- Detail oriented

**Required Skills:**

Possess a customer-centric mindset and empathy for understanding, interpreting customer needs, and improving a customer's experience. Have a continual growth and learning mindset and enthusiastic to tackle problems and challenges. Open-minded and willing to iterate and evolve practices based on learnings

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## Work Pattern Details:

Can be fully remote

## Additional Info:





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**Rotation ID:** 3,426

**Job Title:** Software Engineer

**Supervisor:** David Formosa

**Supervisor Email:** dformos5@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** IT Application Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** NA CRM Retail

**Department Description:**

The Always On Retail Customer Experience team will maximize the experiences of Ford delivers to its customers, ensure consistency, and optimize technology investments in the Salesforce platform. The program will unify our approach to CRM and enable a world class enterprise platform for customer relationship management. This is an exciting opportunity that is instrumental in crafting the future in how we do business with our retail customers and is at the center of everything we do.

**Position Duties:**

Full-stack software developer responsible for all elements of software products with end-to-end accountability. • Develops software, often with a paired partner, to deliver user stories that contribute to a valuable working software product. • Develops automated tests with working software, to confirm software functionality, user story acceptance, and to detect regression defects. • Reviews continuous integration build status and fixes build failures. • Improves continuous integration tooling by automating manual processes within the delivery pipeline and improving quality gates based on past learnings. • Reviews ongoing production software operations and troubleshoots production issues. • Implements tooling that monitors application performance metrics and automatically notifies team when a failure occurs in production. • Performs exploratory testing to confirm application execution and to identify software deficiencies not covered by automated testing. • Actively participates in all team Agile ceremonies. • Actively manages the long-term delivery roadmap of the software product.

**Desired Skills:**

Experience with collaborating and pair programming. • Able to quickly grasp and assess a variety of areas of focus across different regions and domains and link desired outcomes with potential technical solutions. • Proactive with knowing current trends in the automotive and technology industries and interest with design disruptions and design innovation. • Experience developing APIs for data integration • Experience implementing APIs via MuleSoft platform



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**Required Skills:**

- Experience with JAVA programming language, clean coding and test -driven development (TDD) • Experience with DevOps and CI/CD practices to build a foundation and practices for the team to use.
- Possess a customer-centric mindset and empathy for understanding, interpreting customer needs, and improving a customer's experience. • Have a continual growth and learning mindset and enthusiastic to tackle problems and challenges. • Open-minded and willing to iterate and evolve practices based on learnings.

**Work Pattern Details:**

in office 1-2 days per week

**Additional Info:**



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**Rotation ID:** 3,283

**Job Title:** Software Engineer

**Supervisor:** Dana Midani

**Supervisor Email:** dmidani@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** PBT: Software Engineer

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Command Center Platform - Product Engineering & Management

**Department Description:**

The Command Center Visualization Enablement team will drive Operational Excellence and Relevancy of GDI&A products to help realize enterprise known goals, hidden opportunities and achieve data superiority. •Best in class platform for data aggregation •Proactive, Preventive & Predictive Monitoring •Build Self Heal capabilities – Leverage AI/ML •Executive Tiles for all GDIA Portfolios .Product Group Summary dashboards Our team is building a scalable platform to ingest logs from various product teams to build operational excellence and relevancy dashboards using Angular, Grafana and Qlik sense visualization tools.

**Position Duties:**

Learn various visualization tools and develop software and dashboards for GDIA product teams in GCP.

**Desired Skills:**

Programming skills and desire to learn new technology

**Required Skills:**

Programming, Java, Angular, GCP, Basic knowledge of databases

**Work Pattern Details:**

Individuals located in Southeast Michigan - Attendance in person once a week Individuals located outside Southeast Michigan - Fully Remote pattern

**Additional Info:**



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**Rotation ID: 3,382**

**Job Title:** AI/ML and Software Engineer

**Supervisor:** Doraswamy Morasa

**Supervisor Email:** dmorasa@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Industrial Systems

**Department Description:**

The Ford IT PDO team develops FEDE BOM (Ford Engineering Design Environment Bill of Material) software product that helps Engineer's create and manage parts information for a specific vehicle programs. The team develops Software Products in JAVA and does prototypes of various AI/ML projects and other Quickwins solutions such as 1) Engineers productivity and Software product improvements, 2) Prediction of software tool usage, 3) Software tools and Infrastructure Utilization by using AI/ML tools such as Alteryx, Qlik Sense and Data Robot. The team is responsible for developing Key Performance Indicators for Engineering Out of WERS projects (EOOW), Security Controls and Program Financials. In addition, the team will develop various Rest API services / Microservices to support FBS QuickWins and EOOW projects in Product Development. The FEDEBOM application provides manufacturing team with the vehicle part information necessary for the assembly. These applications are used by 6800+ Design & Research Engineers in PD. The team utilizes technologies such as: GCP tool set, Java-8, Rest API services, AI/ML tool set (i.e., Qlik Sense, Alteryx, Python, etc.), JavaFX, WebSphere, Web Services, XML, Oracle, etc. Also, standard industry-wide tools such as Jenkin, Rally, GitHub, etc. and Agile Framework such as Scrum, Kanban, etc. are being practiced. Bill of Material team adapts new technologies and off-the-shelf vendor tools such as 3DX. FCG candidate will get the exposure utilizing the technologies listed above.

**Position Duties:**

1) Utilizing AI/ML (Alteryx, Qlik Sense, Python & Data Robot) and develop models/reports to Management in support of various FEDEBOM and EOOW projects. 2) Learn, build, and publish Rest API Microservices to help 20K users to share Ford Product Development data with Purchasing, Finance and Manufacturing teams. 3) Develop IT solutions to support Product Development (PD) to gain high Return of Investment through Ford Business Services Quickwins project. 4) Leverage the Agile software development practice in collaboration with the Product-Based team Organization. 5)



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Active participation on all PDO Team's Agile ceremonies, Backlog Refinement, Iteration Planning, and Stand-Up. 6) Learn about FEDEBOM and leverage knowledge in JAVA development, Test automation, Testing, and ability to work with a Global development team. 7) Collaborate directly and continuously with the Product Owner, Product Manager, and other stakeholders to deliver business value. 8) Learn CA Agile Central (Rally) tool to create Features, User stories and Defects. 9) Exposure to Department Infrastructure Cost and Billing details 10) Train in Software Craftmanship to improve the quality of software development. 11) Utilizing AI/ML (Alteryx, Qlik Sense, Python & Data Robot) and develop models/reports to Management on Fixed Cost Infrastructure (Vendor Licenses & 500+ servers) to help company reduce overall annual cost.

### **Desired Skills:**

1) Experience/exposure in test-driven development and Pair Programming 2) Experience/exposure in Java-8/J2EE, Spring Boot, Python, Web Services, XML, Rest API/Microservices 3) Experience/exposure with SharePoint, Qlik Sense, and Alteryx 4) Experience/exposure in web front-end development; JavaScript, client-side MVC frameworks 5) Experience/exposure of Agile process Note: Looking for one or more Desired skills and rest of the skills can be learned during the FCG rotation.

### **Required Skills:**

1) Knowledge of any programming language 2) Be motivated to learn new technologies in a collaborative environment 3) Good communication skills (written, oral, presentation) Note: The team has 10+ years of experience in hiring and training FCGs in the group. The selected FCG will receive full stack software development experience and other soft skills.

### **Work Pattern Details:**

Hybrid.

### **Additional Info:**

The section has been developing FCGs and Summer interns for 10+ years. Every new member joined in the section gets opportunity to learn IT Software Development and opportunity to interact with multiple groups including PDO teams, Business customers, Infrastructure and Security & Controls. Assignments can be adapted to better align with the FCG's skill set, objectives and goals. Upon completion of this rotation, the candidate will gain hands-on experience in: • AI/ML tools • Java development • Rest API/Microservices • Security & Control, Governance, Risk, and Compliance (GRC), MCRP, etc. • In-depth knowledge of FEDEBOM and IT skills that can be applied to any future positions • Learn PD Skill Team and the customers role in Ford Motor Company.



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**Rotation ID:** 3,396

**Job Title:** Cyber Security Analyst

**Supervisor:** Daniel O'Reilly

**Supervisor Email:** doreil11@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Commerce Park North II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** POLICY & STRATEGY

**Department Description:**

Vehicle & Connected Cybersecurity designs, develops and consults on security requirements, standards and best practices to protect and serve our customers from known and emerging cyber threats to our global vehicle, mobility and cloud environments.

**Position Duties:**

- Identify, triage and remediate cyber security alerts from various threat platforms
- Work with internal teams to understand processes, flows, and limitations of APIs and other systems
- Provide feedback and updates to playbooks and run books as emerging threats and processes reveal themselves
- Identify opportunities for scripting and automation to develop solutions to common events, and threat hunting activities problems and reduce operational overhead
- Find, investigate, and remediate vulnerabilities across the Vehicle and Mobility domains
- Create and manage processes, systems, and tools exercising a high degree of responsibility
- Respond to incidents, triage cyber security vulnerabilities
- Follow up with teams to triage and remediate issues
- Provide insight to management on common API misconfigurations, identify gaps in API development processes and suggest new additions to API security policy
- Perform other duties as assigned

**Desired Skills:**

API knowledge, connected vehicle knowledge

**Required Skills:**

**Work Pattern Details:**

Mostly remote

**Additional Info:**



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**Rotation ID:** 3,293

**Job Title:** Database Automation Software Engineer

**Supervisor:** Dakshesh Patel

**Supervisor Email:** dpatel43@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** NA COMP OPRNS MGR

**Department Description:**

The ITO Database Service is undergoing an exciting transformation, that offers many experiences to learn, deploy, and implement all kinds of new Cloud and on-Premise Database technologies. The Database Service conducts new development support services for various Database Management Systems including Oracle, Microsoft SQL Server, PostgreSQL, DB2-LUW, MongoDB and other Open source DB technologies, while maintaining and enhancing most of the company's most critical database systems. Production support activities include: Database Administration, Database Monitoring, Maintenance Incident Resolution, Problem Management (Root Cause Analysis), Routine Consumption, Performance Management, Customer Support, Security and Controls Infrastructure Support Activities, and many more. The Database Service offers many development and enhancement services including: Request Management, Data Migration, and Cloud Database Deployments. Database Automation is responsible for automating end to end builds and operation tasks. We deliver standalone automated services, integration enhancements and High Availability (HA) service automation.

**Position Duties:**

1. Responsible for automating DB service. Utilizing GitHub as code repository. 2. Managing repositories and release code using CI/CD (Continuous Integration/deployment) pipeline. 3. Following DevOps framework and delivering infrastructure as code for on-prem and Google Cloud Platform (GCP) 4. Delivering DB services with complete automation 5. Changing Habitat packages using PowerShell scripting. 6. Script automated testing as part of development using Jenkins. 7. Developing the terraform module to consume GCP DB services 8. Consuming the tekton pipeline to promote Terraform module in GCP

**Desired Skills:**

1. Knowledge with any database technology. 2. HA and Disaster Recovery(DR) concepts. 3.



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Development background with PowerShell or any scripting language. 4. Windows or Linux Administration background is a plus. 5. Understanding of Azure or cloud managing services

**Required Skills:**

1.Ability to work in a global group 2.Communication Skills 3.Problem solving 4. Any scripting background. 5. Some database management understanding 6. Strong communication skills

**Work Pattern Details:**

On-site - 1 day per week + during team-building events, quarterly check-in or as needed basis to attend in-person event/session.

**Additional Info:**

Database FCG opportunities include learning (We will teach you!) about and supporting the full stack of technologies such as Google Cloud Database offerings (such as CloudSQL, Cloud Spanner, and others), MongoDB with Atlas, Redis, MS SQL Server, Oracle, and cutting edge technologies such as Container as a Service (CaaS) using Kubernetes, Database as a Service (DBaaS), programming in Python, queries using JSON, SQL, PowerShell and others. Come learn and be a part of the future here at the Database Service! Company Decisions are made based on data – and the Database Service is the Place to Be in helping the Company develop, engineer, operate, and maintain the core databases that drive everything we do. We are committed to work with an FCG to help them shape the "DBA" role. We are willing to teach the FCG the skills they need to be successful and gain the Database Admin skills. SQL Guild team will work with you to gain DBA skills. This position will help you to shape skills like - problem solving, good communication skills, attention to detail, etc.





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**Rotation ID: 3,423**

**Job Title:** DevOps Engineer

**Supervisor:** Dinakar Prasad Polavaram

**Supervisor Email:** dpolavar@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Product Definition and Offer

**Department Description:**

Product Definition and Offer (PDO) is an application portfolio within IT Industrial Platform. PDO provides the enterprise with buildable configurations that are utilized in over 35+ applications to allow ordering, scheduling and building vehicles. The application suite is a complex Java application that is currently involved in multiple initiatives to update Ford processes related to reduction of product complexity and software subscriptions. Another area of the PDO portfolio deals with Product Attribute Management and CO2 emission estimation.

**Position Duties:**

You will be part of a Software Configuration Management (SCM) team that is responsible for Infrastructure configuration and DevOps automation for PDO application portfolio. SCM team handles over 400 infrastructure assets across Openshift, GCP platform, PCF and WAS platform. Development and maintenance of tools, scripts, automated processes that support SCM and developer builds, and SCM delivery processes. Strive for continuous improvement and build continuous integration, continuous development pipeline using Tekton, cloudbuild and Jenkins. Support software engineering processes across multiple projects by managing code repositories in Github, build servers and continuous integration environments. Provision and Manage Infrastructure using IaC through tools such as Terraform Perform Proof of Concept on new tools/technologies that would assist SCM/ Devops practice and Development teams If you want to gain experience being a DevOps Automation Engineer in Cloud Platform and working on an agile team this is the position for YOU!

**Desired Skills:**

-Cloud Platform Experience -Exposure to Linux OS -Experience or understanding of Coding Standards and employing code review procedures -Experience working in an Agile/Scrum development process

**Required Skills:**

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-Knowledge or experience with Github (can be light) -Knowledge or experience in scripting and any programming languages such as Python, Groovy, Shell Scripting, Java. (can be light) -Knowledge or experience with Gradle (can be light) -Desire to code

**Work Pattern Details:**

Flexible

**Additional Info:**



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**Rotation ID:** 3,444

**Job Title:** Software Engineer

**Supervisor:** Derek Sergeant

**Supervisor Email:** dsergean@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Staffs

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT Staffs - Life@Ford

**Department Description:**

HR PDO Software Platform group is responsible for the software platform that enables Ford employees globally to seamlessly experience the various HR policies and guidelines within Ford. The platform also enables employees multiple channels to reach to PeopleFirst (HR Shared services) for their HR related queries. This team is designing and building the next-generation software platform on the Azure cloud.

**Position Duties:**

Working as a member of this software team, you will be involved in latest Cloud frameworks, CRM and GenAI capabilities. You will be responsible for designing, implementing, testing, optimizing, and maintaining software components with experience in Azure Cloud technologies and generative AI capabilities.

**Desired Skills:**

Roles and Responsibilities: • Design and develop software components with experience in Azure Cloud technologies and Generative AI capabilities • Collaborate with cross-functional teams to determine business requirements and translate them into technical requirements • Write clean, maintainable, and efficient code • Participate in code reviews and knowledge sharing • Troubleshoot and debug software issues • Stay up-to-date with emerging trends and technologies in software development • Extract, transform and load the data into Dynamics CRM system from SQL Server DB • Design, develop and maintain database objects (tables, views etc.) and SQL scripts. • Analyzes the impact of changes on existing ETL processes and systems. Assesses the compatibility with goals in all areas. • Participate in code reviews and ensure that all solutions are aligned to pre-defined architectural and requirement specifications. • Maintenance of business rules associated with data integration. • Participate in the fulfillment of ad-hoc data requests from internal business owners • Writing specifications and providing technical analysis documents. • Provide expertise as a



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production support engineer to monitor and debug portals. • Design, develop, document, test, and debug portals using .NET and ADX Studio for external user access to Microsoft CRM components to support project needs.

**Required Skills:**

Preferred Skills: • SQL Server (any Database experience) • Informatica or any ETL tool  
• UNIX shell scripting • Microsoft Dynamics 365 CRM Experience • Experience in JQuery, JavaScript, CSS and HTML. • Experience in C#, REST, Web API and Azure technologies. • Agile Methodologies

**Work Pattern Details:**

in office 1/2 days per week

**Additional Info:**

Contribute a data-driven team culture of customer obsession, collaboration, results, transparency, inclusiveness, and trust. Strong desire to learn and continuous improvement mindset



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**Rotation ID:** 3,260**Job Title:** Smart Building IoT Software Engineer**Supervisor:** Damian Stone**Supervisor Email:** dstone46@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Staffs**Job Family:** PBT: Software Engineer**Location:** Building 6**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** Bi-weekly**High Tech, High Demand (HTHD) Position?** No**Department:** Ford Land**Department Description:**

As a subsidiary of Ford Motor Company, Ford Land owns and operates several million square feet of corporate and commercial office space globally. The Ford Land PDO teams are responsible for the Ford Land technology portfolio, which includes building management systems, maintenance management systems, space & master planning tools and the workplace experience applications. Currently, the Ford Land team is engaged in the transformation of workplace experience program, a multi-year effort to revitalize and transform the corporate campuses globally into modern, green, high-tech campuses that foster innovation and collaboration. This position involves working with the Ford Land team to develop a smart building strategy that leverages the Internet of Things (IoT) to deliver innovative technology solutions that enable the desired future workplace experiences identified by the Campus Transformation team.

**Position Duties:**

This position provides the opportunity to work with a team focused on transforming the workplace environment and how employees work at Ford Motor Company. This role provides exposure and engagement with IT and Business leadership. The things you will learn in this assignment will provide a strong foundation for future positions elsewhere in IT. You will gain an understanding of the core business functions of a real estate organization. You will also gain an understanding of the convergence of Information Technology (IT) and Operations Technology (OT) in the creation of Smart Buildings. Examples of potential tasks for this assignment include: • Application Development & Support • Device & Network Integration • API Development • Analytics & Data manipulation • Strategic Research and Envisioning

**Desired Skills:**

- High level knowledge of the Internet of Things Landscape (from a connectivity, data, and analytics perspective)
- Some Application Development experience
- HTML, JavaScript, CSS, Python, GCP,



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SQL, API's

**Required Skills:**

- Critical thinking and problem solving skills
- Self-starter with a passion and willingness to learn and build business/technical acumen
- Ability to build and maintain good business relationships
- Ability to work effectively in a team environment
- Strong written and verbal communications

**Work Pattern Details:**

Role will require infrequent onsite visits as not all aspects of role can be performed remotely. once per week or as needed

**Additional Info:**

The vision of the Ford Land campus transformation is to transform the workplace into inspiring, innovative and sustainable environments that support company business objectives and improve the employee value proposition. This position provides the opportunity to help shape IT strategy to effectively deliver the campus transformation goal of implementing comprehensive technology solutions to provide a workplace experience that fosters employee productivity and collaboration.



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**Rotation ID: 2,831**

**Job Title:** Software Engineer eCommerce

**Supervisor:** Dion Sullivan

**Supervisor Email:** dsulliv5@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT LINCOLN AND GLOBAL USE

**Department Description:**

We believe that freedom of movement drives human progress. Ford Information Technology (IT) is shaping the future of mobility by redefining the transportation landscape, enhancing the customer experience and improving people's lives. Ford is working to transform the car buying experience for our customers. Traditional sales channels have changed, and Ford is leaning into that change with how we sell our vehicles, both electric and traditionally-powered.. Ford is looking to provide an optimum experience to our customers and dealers.

**Position Duties:**

- Become part of a team of skilled and curious Software Engineers building micro services supporting the Ford eCommerce Experience.
- Pair with other software engineer to deliver user stories that contribute to working software
- Use Test Driven Development (TDD) and other methodologies to implement technical solutions
- Develop and implement new technology patterns supporting key parts of Ford eCommerce.
- Participate in daily Agile Ceremonies as well as longer-term Agile planning Ceremonies.
- Share support responsibilities for launched components

**Desired Skills:**

- Experience with code repository such as GitHub
- Experience in eXtreme Programming (XP) disciplines such as pair programming.
- Continuous Integration/Continuous Delivery tools such as Jenkins, Nexus etc. are a bonus
- Experience with NodeJS or NestJS is a plus

**Required Skills:**

- Knowledge of Pivotal Cloud Foundry or GCP or similar Cloud Platforms
- Java Spring Boot experience
- Experience with RESTful service development either through school or work
- Knowledge of micro service development frameworks and libraries
- Strong team communication skills
- Self-motivated, fast learner

**Work Pattern Details:**



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The in-person requirements for this position are flexible depending on the candidate's location. Out-of-state candidates will be fully remote with the opportunity to travel quarterly and attend planning sessions with the team in-person. Travel is not mandatory and we have had success with candidates working fully remotely. Workers in southeast Michigan will benefit from working with the team in-person, which is available on a weekly basis. This is also not mandatory, but encouraged.

**Additional Info:**





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**Rotation ID:** 3,279**Job Title:** Tech CX VoC Data Analyst**Supervisor:** Delia Zdrojewski**Supervisor Email:** dzdrojew@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Operations**Job Family:** ITS Strategy, Communications, Planning, and Project Management**Location:** Rotunda Center**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** 1-2 days per week**High Tech, High Demand (HTHD) Position?** Yes**Department:** Workplace Tech Customer Experience**Department Description:**

The Workplace Tech Customer Experience department leads the integration of employee technology across the enterprise to provide an exceptional technology experience at Ford Motor Company. We listen to employees to understand their technology experiences, design EPIC solutions that integrate tech services, and communicate and engage tech improvements across the company. Within Tech CX, The Voice of the Customer (VoC) team is responsible for collecting, evaluating, synthesizing and disseminating qualitative and quantitative employee sentiment around Ford's technology experience.

As a data analyst on the VoC team you will play an integral part of uncovering insights about the overall employee technology journey and driving actionable changes leading to an exceptional employee technology experience.

**Position Duties:**

- Design, develop and maintain ongoing metrics, dashboards, surveys, etc., to drive key business insights.
- Combine qualitative and quantitative information from varied data sets in disparate systems/formats to paint a cohesive "big picture".
- Identify both short-term and systemic technology improvements based on analysis of employee feedback.
- Produce high-quality reports and analysis tailored to various stakeholder needs.
- Influence the strategic direction of IT products and services by leveraging data & analytics, coupled with business acumen and ability to execute in a fast-changing environment
- Create engaging stories to convey analytics results and actionable insights

**Desired Skills:**

- Experience with analytic & development platforms and natural language processing (NLP)
- Familiarity with Qualtrics, Qlik Sense, Visual Basic, Medallia
- Prior experience with evaluating metrics and statistical analysis
- Data visualization

**Required Skills:**

- Strong analytical and problem-solving skills, with the ability to present information in a clear and

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succinct manner • Knowledge of SQL, Java, Python, Alteryx, Microsoft Excel, and other data analysis tools • Demonstrated capability to effectively evaluate information & data to make sound decisions. • Comfortable working in a dynamic environment where problems are not always well-defined • Inquisitive, proactive, and interested in learning new tools and techniques

**Work Pattern Details:**

Primarily remote with occasional in-person opportunities for team collaboration and brainstorming.

**Additional Info:**



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**Rotation ID:** 3,199

**Job Title:** Software Engineer

**Supervisor:** Elmer Martinez

**Supervisor Email:** emarti32@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Physical Verification & Prototypes IT

**Department Description:**

Engineering Verification Systems (EVS) partners with the Vehicle-Engineering-Verification and Physical-Prototypes organization in Product Development (PD) to identify their global information needs and define the strategies to meet them. Our team is responsible for a number of global applications used for planning and building prototype vehicles for testing. In this capacity, we interact with teams located in the prototype plant and get to visit the warehouse and plant floor where prototype vehicles are built.

**Position Duties:**

The FCG(s) will join a team of team of software engineers located in the US and India, and will work on our global applications to (1) implement new functionality, (2) advance our test automation implementation, and (3) migrations from PCF to GCP. In this capacity the FCG(s) will get to work with a number of popular frameworks (Angular, Spring Boot) and CI/CD popular tools (Jenkins, Tekton). Our team has been working remotely but the FCG(s) will have the option to make a visit the prototype plant and see how prototype vehicles are built as individual test units.

**Desired Skills:**

- Programming experience with Java preferred other OOPS languages accepted.
- Experience with HTML, CSS and JavaScript.
- Experience with GitHub or other source code management tools.
- Experience of Eclipse or similar IDE.
- Familiarity with software engineering tools like Postman, SQL Management Studio.

**Required Skills:**

- Strong verbal communication skills.
- Ability to learn quickly and work effectively with IT and non-IT personnel.
- Self-motivated team player.

**Work Pattern Details:**

In office every other Thursday at the start of each 2-week Iteration, team-building events, otherwise

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remote.

**Additional Info:**

Contact Elmer Martinez (emarti32) for any questions.



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**Rotation ID: 3,381**

**Job Title:** Software Engineer – Shop & Buy - Credit Decisioning

**Supervisor:** Gautham Nag Adapala

**Supervisor Email:** gadapala@ford.com

**Positions Available:** 2

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Credit - Shop & Buy

**Department Description:**

**Position Duties:**

This is a hands-on position which offers the opportunity to both contribute and significantly enhance your skills in both front-end and back-end web application development. We operate as a fully Agile product team, making extensive use of techniques including pair programming, mobbing and test-driven development. We give also provide importance to the learning and sharing culture across the teams with Dev huddles, Power up forums, Lean coffee and encourage software Engineers to attend internal and renowned public Dev conferences. Our team has vast experience in coaching and mentoring FCGs from last several years. Our team norms will ensure that our FCGs were given enough learning time and hands on experience and help them become SMEs in a very less time. Software Engineer is expected to work in a XP programming environment with pair partner development using proven Lean/Agile methods to efficiently operate at PDO Basecamp 2. Engineers on the team work across the full stack of technologies to enable the highest priority work to be delivered. The Engineer will:

- Develop software, with a paired partner, to deliver user stories that contribute to a valuable working software product.
- Develop automated tests with working software, to confirm software functionality, user story acceptance, and to detect regression defects.
- Implement tooling that monitors application performance metrics and automatically notifies team when a failure occurs in production.
- Perform exploratory testing to confirm application execution and to identify software deficiencies not covered by automated testing.
- Actively participate in all team Agile ceremonies.

**Desired Skills:**

- Prior development experience in Java would be beneficial

**Required Skills:**

- Willingness to learn new tools, processes and capabilities and use them to deliver highly innovative



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technical solutions • Strong analysis and communication skills • Basic SQL knowledge/ability to query and manipulate relational databases (DB2 and/or SQL Server) Work Pattern Details Work remotely in pairs

**Work Pattern Details:**

Work remotely in pairs and may be some days of hybrid pair programming

**Additional Info:**

• Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. • We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives.



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**Rotation ID:** 3,175

**Job Title:** Google Software Developer / Data Analyst

**Supervisor:** Gopal Garimella

**Supervisor Email:** ggarimel@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Analytics and Big Data

**Location:** Information Technology HQ-C

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Cloud Platform Services

**Department Description:**

We are part of the Cloud Platform Services department. The Cloud FinOps Team is responsible for managing ~\$150M+ budget related to Cloud Platform Services. You will be part of an exciting and dynamic team that is trail blazing Cloud technologies at Ford. Our mission is to provide transparency to all Cloud billing to all levels at Ford which would help in ensuring that we get value for our cloud spend. One of our main strategic objectives this year is to develop processes, tools and expertise for Cloud Cost optimization and waste elimination.

**Position Duties:**

We are developing an analytics tool in Google which uses state of the art Looker (we are the first team at Ford to use this tool) and BigQuery technologies. The tool will be a one stop shop for all stakeholders for all billing information, forecast, actuals, alerts, cost optimization tools etc., You will work with the team to develop dashboards, analyze data, monitor / track actuals and help identify cost savings Ford. You will have plenty of development opportunities to develop APIs, using Google Cloud Services like Cloud Run etc., and other 3rd party software like Astronomer, Terraform, to ingest data into Big Query tables for further visualization. In addition, you will be involved with developing QlikSense based important dashboards that are consumed by Senior executives. Great opportunity to be creative with data visualizations and present data to senior management. You will be given appropriate training and time to learn these technologies and contribute. You will be able to contribute, develop and present to senior management. You have an opportunity to identify opportunities to save Ford several thousands of dollars.

**Desired Skills:**

- Strong analytical thinking - Willingness to learn new and exciting technologies at Ford - Google Cloud Platform, Looker, BigQuery, Python, Qlik Sense etc., - Have Fun and at the same time learn

**Required Skills:**

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- Strong programming background (Python preferable) - Technical / Development mindset - Data analysis / Data Scientist mindset - Cloud development experience - Google Cloud Platform, Azure etc., (preferable but not mandatory) - Good communication skills

**Work Pattern Details:**

1 day per 2 weeks in-office (if you are located in South East Michigan), otherwise fully remote.

**Additional Info:**

This position will provide a great opportunity for you to learn emerging technologies, expose you to various cloud service teams, develop various dashboards and present to executive management. From this rotation, you will have a great understanding of Ford IT operations, Software development / Engineering methodologies, Agile teams in addition to learning new technologies. You will be paired with a mentor who will help you in every step of the way to ensure a great experience at Ford and our team. Hope you consider this exciting opportunity as you transition from College to Corporate world. Contact me at [ggarimel@ford.com](mailto:ggarimel@ford.com) for more information.





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**Rotation ID:** 3,393

**Job Title:** Site Reliability Engineer (SRE) - Software Engineering

**Supervisor:** George Hanrahan

**Supervisor Email:** ghanraha@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** IT Operations

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Ford Credit Command Center

**Department Description:**

Our mission is to serve our customers by helping maintain a stable production environment through effective change, incident and problem management. We do this by quickly identifying, communicating and facilitating containment of unplanned application and infrastructure outages.

**Position Duties:**

We are looking for a SRE to join our dedicated team. If you are passionate about ensuring the reliability, availability, and performance of our systems and have a knack for designing efficient SRE processes and tracking key metrics, we want you on our team! As a Software Reliability Engineer, you will play a pivotal role in ensuring the seamless operation of our systems and services. You will be responsible for designing and implementing SRE processes, as well as tracking SLAs, SLOs, and SLIs on a comprehensive dashboard. Your work will directly contribute to the reliability and performance of our systems, enabling us to deliver a superior experience to our customers. SRE Process Design: Collaborate with cross-functional teams to design and implement efficient SRE processes that enhance system reliability, scalability, and performance. SLA, SLO, and SLI Tracking: Partner with IT and Business to define key customer user journeys, develop SLAs, SLOs and SLIs for our critical systems and services. Anomaly Detection: Implement automated monitoring and alerting to proactively identify and address performance issues and anomalies. Incident Management: Work closely with incident response teams to facilitate quick resolution of incidents and minimize downtime. Continuous Improvement: Identify areas for improvement and proactively make enhancements to optimize system performance. Documentation: Create and maintain detailed documentation for SRE processes, including runbooks, playbooks, and incident response procedures. Collaboration: Collaborate with development, operations, and infrastructure teams to ensure a shared understanding of reliability goals and alignment with business objectives. Operational Improvement: Identify opportunities for automating restoration of service for key products and services. Reporting:



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Provide regular reports and insights to on the status of system reliability and performance against SLAs and SLOs.

**Desired Skills:**

- Knowledge of SRE principles, methodologies, and best practices. - Proficiency in designing and implementing monitoring and alerting systems. - Experience with dashboard and visualization tools (e.g., Splunk, Dynatrace, Grafana, Prometheus, ELK stack, IBM AI Ops). - Scripting and coding skills (Python, Go, etc.) for automation tasks.

**Required Skills:**

- Strong problem-solving and analytical skills. - Exceptional communication and teamwork abilities. - Interest in designing, analyzing, and troubleshooting distributed systems. - Interest in debugging, optimizing code, and automating routine tasks. - Understanding of cybersecurity tools, processes, and controls - Interest in learning Google Cloud and related security tools - Understanding of cloud technologies, databases, and operating systems - Self-starter, motivated, ability to work independently and in a fast-paced environment.

**Work Pattern Details:**

- Hybrid - In office quarterly for 1/2 day team building sessions and as needed. Some staff are fully remote. - WebEx Teams video is used for collaboration sessions and team meetings. - Flexible working hours Mon-Fri (FCG will not be on-call outside of standard North American business hours)

**Additional Info:**

- This role will offer the opportunity to enhance IT troubleshooting skills, learn about ITSM processes, Google Cloud Administration and interact with multiple IT and business teams throughout the organization - Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. - We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. - FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 3,387

**Job Title:** Software Engineer - FCG

**Supervisor:** Galina Livit

**Supervisor Email:** glivit@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** IT Solution Design & Development

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Security Engineering and Advanced Infrastructure Technology

**Department Description:**

At Ford, we recognize the need for a significant transformation in how we manage access to our digital resources across the globe, driven by shifting paradigms in the industry. To meet this demand, we are modernizing and simplifying our Identity and Access Management platform, leveraging automation to streamline the delivery of access to millions of identities in a globally distributed multi-cloud environment. We are creating must-have IT products and services to meet new growth demand and emerging requirements. Our Access Management and Authorization (AMA) product portfolio handles access provisioning, authorization, and partner identity management for hundreds of applications and millions of identities worldwide. It includes three products: 1) Access Governance & Administration 2) Policy Management & Authorization 3) Partner Identity Management. We are seeking talented and highly motivated software engineers to join our team and help shape the future of Access Management and Authorization at Ford. This is an excellent opportunity for those looking to work with seasoned security and IT solutions engineering SMEs, interact with business and IT teams across all areas of the company, leverage new technologies and make a significant impact in creating enterprise-wide IT solutions. As a member of our team, you will have the chance to challenge your IT expertise and problem-solving skills in a collaborative and innovative environment. Join us and help transform the access management portfolio at Ford.

**Position Duties:**

- Learn vast AMA product offering: current capabilities and technical implementation, product architecture, technology stack, integrations, complexities and challenges. - Collaborate and interface with business and IT teams (AMA and outside of AMA portfolio) to understand current challenges and gather requirements for modernizing current and developing new capabilities - Work closely with talented AMA team design, implement and roll out new features - Investigate and resolve issues related to access management and authorization toolset - Learn data analytics tools and help with



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developing dashboards and reports to deliver data insights to AMA portfolio as well as AMA customers - Learn Agile software development methodology, participate in code reviews, testing and debugging - Contribute to a culture of innovation and continuous improvement by suggesting new ideas and solutions

**Desired Skills:**

- Knowledge of modern web development frameworks such as AngularJS, ReactJS, or VueJS is a plus - Exposure to cloud technologies such as AWS or Azure is desirable - A basic understanding of access management and authorization concepts

**Required Skills:**

- A strong Desire to make a difference! - Capacity to think creatively and outside the box to find innovative solutions - A Bachelor's or Master's degree in Computer Science or a related field - Excellent communication and collaboration skills - Familiarity with one or more programming languages such as Java, Python, C++, or Ruby

**Work Pattern Details:**

in-person brainstorming sessions on as needed basis (planned ahead, typically once a month). Remote otherwise.

**Additional Info:**



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**Rotation ID:** 3,422

**Job Title:** Software Engineer

**Supervisor:** Glenn Piot

**Supervisor Email:** gpiot1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Eng. Product Definition and VSSE

**Department Description:**

“Eng. Product Definition and VSSE” department supports the Product Development organization, throughout the lifecycle of vehicle programs from initial target setting through post release cost save. Our specific team's mission is to support the business as they envision new programs, set cost targets, and find ways to deliver current and future programs more cheaply at the same quality. (The processes our small group support, through software, are targeted to save Ford over \$1B in 2024) We work directly with PD customers from the Global Total Cost group and the different functional areas, as well as partners from both the business and IT in Purchasing, Finance, and Global Data Insight and Analytics (GDIA) organizations.

**Position Duties:**

This will be primarily a development position, with the primary focus being web app, service development and analytic processing in the Google Cloud Portal (GCP) environment. Specific tasks will include: •As a core member of a fully empowered PDO Team, develop and deploy Proof-of-Concepts, Production applications and analytic studies. •The primary work in 2024 will be using the GCP environment to significantly update legacy tools that support cost reductions on current programs, and benchmarking the features, designs and costs of new vehicle programs and their parts against those of other Ford programs and competitor programs. •Support an IT Portfolio strategy as the business evolves their processes and strategies in PD’s “Global Total Cost” organization. Work will include helping the business clarify its short and long term goals and the best ways to support those requirements with tools the team will create. •Support Ford/OS and other corporate initiatives by transforming the technology stack of our tools to support improved analytics, API-driven architectures, Machine Learning and alignment of data across multiple processes.

**Desired Skills:**

•Development expertise with Java, Angular or similar nice to have but not necessary. Full-stack



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experience a bonus. GCP experience a bonus. •Experience with API development, services and/or data •Experience with data blending and transformation, Machine Learning a bonus. •Ability to think strategically while delivering with an agile approach

**Required Skills:**

•Development background. Specific skills can be taught as needed. •Self-starter with strong sense of ownership and independence •Strong Communication Skills and Teamwork skills •Ability to understand both technical and business needs

**Work Pattern Details:**

Team has a hybrid work pattern but works from home virtually all days.

**Additional Info:**

Job will include opportunities to initiate and lead projects, fast-fail POC's, innovations, etc. Job will also include exposure to IT and PD management and directors. Despite its importance, this is a small team position, and overtime is usually not required. Key Ford O/S behaviors: Own It, Deliver It, Focus



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**Rotation ID: 2,751**

**Job Title:** Corporate Communications Software Engineer

**Supervisor:** Gerard Wholihan

**Supervisor Email:** gwholiha@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Staffs

**Job Family:** ITS Software Engineering

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Corporate Communications

**Department Description:**

Corporate Communications enables sharing corporate strategy, news and events with employees, retirees and media. The applications in the department include the @FordOnline employee portal, the BlueOvalNow mobile app, the Media.Ford.com website, Jotform event management system and several other small applications. The team has full stack development responsibility for @FordOnline and Media.Ford.com, building the web front ends using the Adobe Experience Manager platform.

**Position Duties:**

Provide IT development, integration and operational support (DevOps) for @FordOnline and Media.Ford.com digital properties hosted on Adobe Experience Manager (AEM). The position is a developer role that requires one to understand the overall technical solution and work with multiple Ford IT teams to develop AEM components and single page applications (SPA) as needed. The individual will work on the @FordOnline site - designing, developing and implementing new features and enhancements based upon a prioritized backlog. Responsibilities are: 1. Develop application enhancements and features using Adobe Experience Manager 2. Liaison between the dev teams and Ford IT teams to develop and implement applications that meet business requirements. 3. Utilize CI/CD pipelines for automated build and deploy.

**Desired Skills:**

Technical background in the following : Adobe Experience Manager and Adobe Marketing Cloud products, web development Nice to have: knowledge of Rest API using SpringBoot, experience with Google Cloud Platform (GCP)

**Required Skills:**

Front-End : HTML, Javascript, CSS, React, AEM HTL Templating Language Back-End : Java, Servlets, OSGI Services, Content Model, AEM Project Structure, Understanding of Maven dependencies



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**Work Pattern Details:**

The team has started to meet in person one day per week, dependent on project demands, otherwise remote.

**Additional Info:**

The Corporate Communications PDO team follows company guidance on remote work and follows a hybrid work model where the team determines the schedule for on-site and remote work. You are encouraged to contact me with questions.





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**Rotation ID:** 2,941

**Job Title:** Full-Stack Software Developer

**Supervisor:** Harish Kumar

**Supervisor Email:** hkumar7@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT PD

**Department Description:**

Ford's Product Creation Processes and associated technologies are positioned as key enablers to sustain and enhance the Company's leading competitive position in the automotive industry. The FEDEBOM platform is among the tools and technologies that form the foundation of Ford's Product Creation Processes and are those slated to form the basis of the Ford Engineering Design Environment (FEDE) program. This combined platform will provide a comprehensive set of technologies, improving end-user productivity, reducing time to market, and improving quality of vehicle designs.

**Position Duties:**

This position will be responsible in providing enterprise BOM solutions with latest cutting-edge technologies. The current position will be working with large globally distributed cross-functional team that delivers significantly aggressive projects by deriving on the synergy offered by people with different skills – business analysts, hardware infrastructure specialists, data analysts, quality analysts, software developers who work on developing cutting edge algorithms, rich and lightweight user interfaces for the successful delivery of FEDEBOM program.

**Desired Skills:**

WebServices (REST) integration, JSON, XML, HTML 5, Cloud Enablement, Public/Private Hybrid cloud technologies, CaaS, API, AI/ML based solutions and DevOps.

**Required Skills:**

WebServices (REST) integration, JSON, XML, HTML 5, Cloud Enablement, Public/Private Hybrid cloud technologies, CaaS, API , AI/ML based solutions and DevOps.

**Work Pattern Details:**

Hybrid working model

**Additional Info:**



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**Rotation ID:** 3,427

**Job Title:** Virtual Verification and Validation Software Engineer

**Supervisor:** Hong Lin

**Supervisor Email:** hlin11@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** CAE and Virtual Verification, Requirement

**Department Description:**

The Virtual Verification and Validation is part of the Product Development Product Line to enable engineers to identify and address potential design flaws and errors before physical prototypes are built. This helps to minimize the risk of costly design changes and rework later in the development process. Besides supporting OOTB/BMIT simulation tools and applications, such as MATLAB, CarSim, AME Sim, dSPACE, MBSE team also develops in-house applications.

**Position Duties:**

This position primarily focuses on custom applications development, automation testing and production issue fix and support. The candidate is technical with cloud development knowledge and experience. He/she can also work with business partners to understand the requirements and provide production issue fix and support. This position is technical with software development skills and experience.

**Desired Skills:**

- Exposure to PD core simulation tools such as MATLAB - Cloud development and experiences - CAD (Catia V5), CAM and PLM (Teamcenter) knowledge are a big plus but not necessary.

**Required Skills:**

- Most important, willingness to learn new/advanced tools and ability to quickly adapt to new technologies - Strong technical/analytical mindset and skills - Excellent written and oral communication skills - Ability to work with cross functional teams and business partners. - Developer experience with one or more programming languages, especially Unity and/or Unreal and Windows development. - Ability to work independently and with limited counseling (new stuff). - Experiences in Java, C++, Angular, Python, SQL, and Database

**Work Pattern Details:**

currently Monthly and could come to office if needed.

# Fall 2023 - ET FCG Rotation List

October, 2023



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## Additional Info:



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**Rotation ID: 2,792**

**Job Title:** Google Database migration and transformation Specialist

**Supervisor:** Helen Lin

**Supervisor Email:** hlin13@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Database Services

**Department Description:**

Database Service is on the leading edge of driving disruptive, data-driven opportunities at Ford Motor Company. The department is responsible for production and new development support services for anything about database technology at Ford. Database Service is the Place to Be in helping the Company develop, engineer, operate, and maintain the core databases that drive everything we do.

**Position Duties:**

Google Database migration and transformation FCG opportunities include hands-on learning and managing technologies such as MongoDB with Atlas, Google Cloud Database offerings (such as CloudSQL, Cloud Spanner, and others), Redis, MS SQL Server, Oracle, programming in Terraform, Python, queries using JSON, SQL, and others. The FCG will evaluate and develop data migration and transformation technologies and solutions for on-premise, Azure, AWS and Google Cloud, support on-premise and Google Cloud database management, explore AI and machine learning to optimize and automate. The FCG will also have opportunities to use data analytics and visualization tools such as Google Dashboard tools, QlikSense to uncover operations insights

**Desired Skills:**

College course or project experience in Database Management is desired but not required. Some experience working with a team to deliver a project.

**Required Skills:**

Strong written/oral English communication skills with ability to communicate effectively, team player. Strong desire to learn new technology.

**Work Pattern Details:**

Mostly work remotely, possibly meeting a few times monthly on-site for team meetings

**Additional Info:**



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**Rotation ID:** 3,466

**Job Title:** Network Security DevOps

**Supervisor:** Harshet Patel

**Supervisor Email:** hpatel48@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Network Services

**Department Description:**

This position lands in the network services organization; we are responsible for every external connection to the global network being able to communicate and function. Example of connectivity are Employee remote access (VPN), Supplier, Partner or joint ventures. We are moving more towards Software Defined Network, using API to accomplish repetitive tasks or integrate different platforms. We are the IT Services team for the rest of IT, so candidates in this department must have a passion for Networking Technology, but also an eagerness to write code and see that code do something to affect the management, operation, or deployment of that networking technology. Most of our customers are effectively other IT professionals, and by proxy, the rest of the enterprise.

**Position Duties:**

The FCG candidate applying for this role must thrive on hacking things together. It is our responsibility to engineer, plan, build, and operate code for the Global Ford Extranet, and internet connectivity. Sometimes this means trying out new ideas and innovating to create new technology, sometimes it means interfacing with technologies like next generation hybrid cloud computing. The position requires a full stack understanding but will provide opportunities for growth and in an environment where experimentation is welcomed with guardrails in place to make it safe and meaningful. This role requires basic programming skills. You must understand how to code (ideally agnostic to your language of preference, but we like JavaScript mostly since our data and APIs are all in JSON (for the most part). Cisco and Palo Alto APIs use Python, this is a language you can also leverage. You will learn how to work in an enterprise team, and how to contribute meaningfully, but you will mostly work independently on a given task. We take ownership beginning to end and produce APIs or full-blown web-based tools for our customers to use to facilitate their networking needs.

**Desired Skills:**

Experience and understanding of computer networking is a must; you should be able to articulate and



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understand the difference between layer 3, vs layer 4, vs layer 7 networking constructs. You should have experience working with software revision control systems and team collaboration tools - in our case, GitHub mostly. This role will require you to read and write code in a team environment - that code will be retrieved, modified, saved, and maintained within GitHub repositories. Your contributions will be both tangible, and in the commit history. You should understand the concept of CI/CD (Continuous Integration/Continuous Deployment) - a paradigm wherein software development itself tends to automate the process of testing the code you write and promoting it through to production systems. Our team also writes the automation that does this, so you will have the opportunity to help contribute incremental improvements during your posting with us. Experience and understanding of computer networking is a must; you should be able to articulate and understand the difference between layer 3, vs layer 4, vs layer 7 networking constructs.

**Required Skills:**

This role will work in small, cross functional teams and embrace lean and agile practices, software best practices, software quality, automated testing, and CI/CD The Network Security Engineer will be responsible for the development and ongoing support/maintenance of APIs to interact with Firewalls. Participate in and/or lead development of requirements, features, user stories, use cases, and test cases. Participate in stand-up operations meetings. Work with the Business Customer, Product Owner, Architects, Product Designer, Software Engineers and Security Controls Champion on solution design, development, and deployment Participate and/or lead incident, problem, change and service request related activities. Includes root cause analysis (RCA), and proactive problem management / defect prevention activities. Use ITConnect (BMC) and Webex Team Daily.

**Work Pattern Details:**

In-Office 1-2 days per week, team-building sessions, training and knowledge sharing, otherwise fully remote.

**Additional Info:**



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**Rotation ID:** 3,371**Job Title:** Public Cloud Architect**Supervisor:** Ian Youmans**Supervisor Email:** iyoumans@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Operations**Job Family:** IT Technology Management**Location:** Rotunda Center**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** 1-2 days per week**High Tech, High Demand (HTHD) Position?** Yes**Department:** Cloud Platforms**Department Description:**

Cloud Platforms has one of the best programs to learn the inner workings of the Ford tech environment. You'll be able to learn, touch, use, and directly affect the techs and tools used throughout ITO, PDO, & Mobility. Our multi-track FCG program also provides options for FCG's to rotate into other technologies and roles within our Cloud Platforms department in the future. The FCG will develop strong cloud platforms expertise, deliver software using DevOps practices, work in Agile teams and get key experiences with multiple cloud technologies in Ford. The FCG will also gain skill sets around DevOps Tool Chain sets (Git, GitHub, Tekton, Terraform, etc.). The FCG will be well positioned to continue on Cloud Platform career path if they so choose. The FCG has the option to continue in Cloud Platform with additional rotations or post-FCG assignments. Cloud Platform Engineer FCG will spend the rotation in one or more focus areas within the Cloud Platform track. In this rotation, FCGs will learn multiple cutting-edge cloud technologies while helping transform the future of Ford's infrastructure solutions to near instant provisioning of compute, network, storage, and database. Focus areas will be selected based on FCG's interest. We are looking for people willing to learn and we understand the list of skills may be intimidating. If you don't think you have the skills, DON'T WORRY – we will work with you. We want to make this rotation beneficial to and ensure you are learning and enjoying your work. Examples of Cloud Platform technologies: Google Cloud Platform, AWS, Azure, OpenShift, API tools, Terraform, CHEF Suite, VRA/VRO, and PCF. Supporting technologies include GitHub, Tekton, Nexus, Kubernetes, MongoDB, Redis, Spring Boot.

**Position Duties:**

The Public Cloud Design team is responsible for the development of architectural solutions in Cloud Platform's public cloud infrastructure, particularly Google Cloud Platform (GCP). This role will be focused on working with Ford service and application teams' requests and questions on proper design, validation, and implementation of their solutions in GCP. This role does NOT require any



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previous Cloud or DevOps experience – we will teach you! • Learn about Google Cloud Platform and how Ford is leveraging it. • Gain expertise in DevOps software delivery practices and experience in applying it to deliver cloud solutions, using GitHub, Terraform, and both Tekton and Cloud Build CI/CD Pipelines. • Work closely with customers (GDIA, Ford Pro, Model E, Ford Credit, Manufacturing) to address their needs and craft solutions. (Great way to learn about different initiatives across the company!) • Develop in-depth knowledge of company's existing IT cloud architecture, infrastructure, and technology portfolio. • Provide architectural consulting expertise, direction, and assistance to product / service teams, tech specialists and other infrastructure architects. • Work closely with ITO Security, Cloud Security and Cybersecurity teams to implement security hardening measures and address vulnerabilities. • Conduct research on emerging cloud technologies (e.g. GCP services) in support of infrastructure development efforts and recommend technologies that will increase cost effectiveness and infrastructure flexibility.

**Desired Skills:**

• Programming or scripting experience • Good organization skills and attention to details • Strong oral and written communication skills, including presentation development and general consulting • Ability to communicate technical concepts to others who may not have the same level of technical depth

**Required Skills:**

• Some programming/scripting knowledge (school or otherwise) • Strong desire to learn and make a difference • Motivated self-starter with ability to operate independently • Analytical skills to solve problem using critical thinking

**Work Pattern Details:**

Once a week in-office (Rotunda Center, Dearborn), otherwise remote. Core hours of 9-3 ET must be covered, but otherwise left to FCG's discretion (e.g. 7-3:30, 9-5:30, etc.).

**Additional Info:**

This position is an outstanding opportunity to be involved with one of most prominent projects at Ford – Google Cloud Platform. In 2021, Ford and Google signed a multi-year / multi-million-dollar agreement. Great way to learn about the latest in cloud technologies and some of the key projects that are bringing to life to the Ford+ plan. The technical and soft skills you polish in this rotation will pay dividends for years wherever you end up in Ford IT.





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**Rotation ID: 3,375**

**Job Title:** Advanced Manufacturing IT - Cyber Security Engineer

**Supervisor:** Jason Barger

**Supervisor Email:** jbarger@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Cyber Security

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** MFG IT Quality Systems & Adv. Technology

**Department Description:**

Manufacturing IT Advanced Technology Group is a team that defines the interface from Plant Floor Manufacturing devices to the IT infrastructure. This area of expertise is unique in the company since it requires extensive knowledge of both the Manufacturing Environment and the IT Environment. A significant aspect of this role is to protect the IT/OT (Operational Technology) integration points. Cyber Security is a rapidly expanding and dynamic space and we need to ensure the security of our Industrial Control System (ICS) Environments against the emerging threat landscape. This is an exciting and dynamic position in which the prospective candidate will perform tactical and strategic tasks to support new cyber security solution deployment within multiple manufacturing sites. The candidate will have the opportunity to work cross-functionally across the Global Ford enterprise, including engagement with Manufacturing, Manufacturing IT, IT Application Development, IT Operations, IT Architecture, Cyber Security, and external vendors.

**Position Duties:**

- Become knowledgeable in Plant/MFG Quality process, tools & methods
- Implement and support the integration of security Commercial Off The Shelf (COTS) applications in Manufacturing
- Administer Windows servers to support COTS applications
- Setup/Support the COTS applications
- Work with cross-functional teams for solution issue resolution
- Develop test scenarios for application verification and deployment
- Coordinating and participating in validation and test activities in collaboration with Advanced Manufacturing teams.
- Provide tactical support when required for COTS validation and rollout on industrial devices
- Perform regular vulnerability scans of threat intelligence sources to determine the potential risk to deployed solutions within the manufacturing domain

**Desired Skills:**

- Working knowledge of Windows Operating Systems
- Working knowledge of application deployment and troubleshooting
- Exposure to Manufacturing Plant Floor Systems
- Understanding of systems



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architecture concepts • Understanding of IT/OT integration and the associated challenges and opportunities • Strong analytical and problem-solving skills • Excellent verbal and written communication skills • Ability to communicate effectively with individuals at all levels of the organization • Experience working independently as well as on a team

**Required Skills:**

• Ability to work with multiple cross-functional teams • Strong analytical and problem-solving skills • Ability to work independently as well as on a team • Application Support and Implementation • Application Support and Implementation

**Work Pattern Details:**

Hybrid working model. Visits to manufacturing plants as required.

**Additional Info:**



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**Rotation ID:** 2,999

**Job Title:** Product Engineering and Management - Communications and Project Management

**Supervisor:** Jessica Belzyt

**Supervisor Email:** jbelzyt1@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Strategy, Communications, Planning, and Project Management

**Location:** Wagner Place East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** MPP - CENTRAL

**Department Description:**

Global Data Insight & Analytics collaborates with its business partners to provide forward-looking insights that improve decision making and deliver business value. With 2000+ strong, GDI&A is the the "Big Data" and "AI/ML" leader for Ford. The DataTech Product Engineering & Management department's mission is to be the unifying force across GDI&A to accelerate data-driven decision-making through data and analytics solutions engineered with speed and scale.

**Position Duties:**

Be an influencer. Change is not easy, but to be the Technology Company we envision we must focus on and align to the North Star - The Plan. Successful Organizational Change Management depends on clear communications. Communications with words, with data, with shared understanding. In this position you will play a key roll in moving GDI&A into a Product-Centric Organization Model to better serve the Company's major initiatives. We need your creativity to use the various communication channels available to us to drive positive outcomes. Responsibilities will include: - Rally (Agile Lifecycle Management Tool), EAMS (Enterprise Architecture Management System), Product Inventory & Taxonomy - Admin for all of GDI&A - Create / Edit - SharePoint and Communications for GDI&A Enablement Team, including Product Driven Org (PDO) Playbook for GDI&A - Enable / support Leadership & Product teams with adhering to GDI&A standards around PDO, GCP Migration, Tech Debt, and other areas. - Willing to tailor to fit FCG's interest within our department scope - potential for tool development & enhancements in GCP (Google Cloud Platform)

**Desired Skills:**

- Project management knowledge or experience - Organizational skills - SharePoint / website development skills - Data analysis - validation, and quality skills - Proficiency in the Microsoft Office 365 suite - Client-focused mindset - Product Oriented

**Required Skills:**

# Fall 2023 - ET FCG Rotation List

October, 2023



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- Analytical and problem-solving skills - Strong written and verbal communication skills - Sense of urgency & dependability - Creativity - Data Driven - Action-oriented mindset - driven to dig in and learn the domain

**Work Pattern Details:**

Typical one in-office day per week in Dearborn; more often during special team or other events as needed. Working remotely otherwise.

**Additional Info:**

Great opportunity to apply (or learn and apply) Google Cloud Platform (GCP), Product Management, Design Thinking, Communication Tools (Yammer, Wiki, etc), Rally (Backlog management / agile tools), Data Analytics Tools, and Product Organization Transformation.



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**Rotation ID: 3,453**

**Job Title:** Product Engineering and Management - Cloud Data Engineer

**Supervisor:** Jessica Belzyt

**Supervisor Email:** jbelzyt1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** IT Solution Design & Development

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** MPP - Central

**Department Description:**

Global Data Insight & Analytics collaborates with its business partners to provide forward-looking insights that improve decision making and deliver business value. With 2000+ strong, GDI&A is the the "Big Data" and "AI/ML" leader for Ford. The DataTech Product Engineering & Management department's mission is to be the unifying force across GDI&A to accelerate data-driven decision-making through data and analytics solutions engineered with speed and scale. GDI&A is actively executing a modernization plan that leverages both migration to GCP and decommissioning to reduce technical debt, complexity, and Operation Expense spending - while improving speed-to-market and performance via GCP.

**Position Duties:**

The successful candidate will work with a variety of technical and business teams at Ford including GDIA and IT Operations to enable, transform and migrate products, processes and applications from on-premise data stores and relational database management systems such as Hadoop, Sql Server, Teradata to the Google Cloud Platform (GCP). Join the GDI&A Cloud Engineering Team (CATs!) We are an agile team of cloud, software, and data engineers whose mission is:

- Interact with GDIA product lines and business partners to understand data engineering opportunities, tooling and needs
- Design and build cloud engineering and architecture best practices, templates, pipelines, tips, tricks and techniques – including automation, transformation and curation
- Develop custom cloud solutions and pipelines with GCP native tools – Data Prep, Data Fusion, Data Flow, DBT and Big Query
- Operationalize and automate data best practices: quality, auditable, timeliness and complete
- Work with Architecture, Data Factory, Data Ingestion, Cataloging, Quality, Metadata and Operations teams to implement strategic solutions
- Advise and direct team members and business partners on Ford standards and processes.

**Desired Skills:**



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• Excellent communication, collaboration and influence skills; ability to energize a team. • Knowledge of data, software and architecture operations, data engineering and data management standards, governance and quality • Hands-on Experience using Google Cloud Platform, AWS and/or Azure • Hands on experience in Python using libraries like NumPy, Pandas, etc. • Understanding of Cluster computing frameworks like Spark • Demonstrated ability to lead data engineering projects and deliverables to successful completion.

**Required Skills:**

• Bachelor's or master's degree in a Computer Science, Engineering or a related or related field of study • Ability to work effectively across organizations, product teams and business partners. • Knowledge Agile (Scrum) Methodology, experience in writing user stories • Database and SQL experience: Strong understating of Database concepts and experience with multiple database technologies – optimizing query and data processing performance. • Experience with BigQuery SQL, AWS and/or Azure • Experience programming engineering transformation in Python or a similar language. • Knowledge of Data Warehouse concepts – experience with Data Warehouse/ ETL processes • Strong process discipline and thorough understating of IT processes (ISP, Data Security).

**Work Pattern Details:**

In-office once per week and on as-needed basis for special team events or collaboration.

**Additional Info:**

There will be opportunities to work on Tech Debt Program Management, as well as focused on the Cloud Engineering Team. Program Management responsibilities require excellent communication with teams regarding their tech debt tracking, progress, reporting, and completion - as well as some development of wider e-communications.



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**Rotation ID: 3,323**

**Job Title:** Software Engineer Global Call Center Technology for Dealer Portal Services

**Supervisor:** Joseph Benedict

**Supervisor Email:** jbenedic@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Regent Court

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT M&S

**Department Description:**

The GCCT (Global Contact Center Technology) team, also known as Assist Customer, is a platform solution that includes Microsoft Dynamics 365 as the core CRM used for Case Management, and integrates with several Azure services (blob storage, Azure SQL, Cognitive Services, etc.) and multiple internal applications (SAVE-IO, SCA-C, etc.) as well as various third-party applications (BBB, Agero Roadside Assistance, etc. Part of Consumer Experience.

**Position Duties:**

As part of the Dealer Portal Support team, be part of the PDO team responsible supporting MS Dynamics 365 for the Dealers. In the role of a Software Engineer, work with the Project Manager, Product Designer, Anchor and other Software Engineers to learn the application, add new functionality and support the application, in a PDO environment. In 2023 we are integrating with the next generation of GCCT to creating the best call center experience. We will be rolling out to the European market and enhancing the Dealer Experience.

**Desired Skills:**

Willing to learn and be part of a high performing team Web Developer SQL Product Driven Organization ceremonies and process MS Dynamics or MS Developer would be a bonus (will train)

**Required Skills:**

Web Developer Willing to learn Team player Good Communication Skills

**Work Pattern Details:**

Hybrid work model

**Additional Info:**

The team is global with members in multiple parts of the US and world. Team is very supportive and willing to work with all team members. Team is high energy, dynamic and constantly looking for ways to improve.



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**Rotation ID: 3,372**

**Job Title:** Software Engineer

**Supervisor:** Jeffrey Broski

**Supervisor Email:** jbroski@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** 5001J2103

**Department Description:**

The team is part of the Product Development IT department responsible for the design and development of the applications supporting the global process of prototype vehicle building and testing. The global users are the Product Development engineers, vehicle build sites, assembly plants, and outside suppliers.

**Position Duties:**

Development activities to include enhancements to the GPIRS application which supports Product Development prototype vehicle builds globally with a customer base of approximately 4,000 users. We have had FCGs on the team in the past who were very experienced in Java and others who were less experienced. We are willing to work closely with the FCG to provide assignments that are beneficial to the FCG based on their experience and provide an environment for growth. Working with the global business users may be required for business requirements and testing. Exposure to the prototype vehicle business processes will be gained. > Perform quality programming for the Global Prototype Inventory Requisitioning & Scheduling System (GPIRS) application enhancements written in Java. > Work in a collaborative environment to design and implement reusable code > Participate in quality assurance reviews (design, code, and test plan reviews) > Provide support for business testing across the various deliverables and defect resolution > Support the global prototype vehicle build process initiative

**Desired Skills:**

These are helpful skills, but the FCG will gain knowledge on these during the rotation. 1. Eclipselink - JPA - ORM Framework 2. JSF and Primefaces Framework 3. Oracle Database - SQL Developer Tool 4. IBM WAS Liberty Web Server 20.0.0.X 5. Jasper Report - Jasper Studio – Tool 6. Eclipse IDE for Code Development 7. Exposure to CICD - uBuild/Tekton

**Required Skills:**





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Strong written, verbal skills, and self motivated. Analytical and Problem Solving Skills Java software development

**Work Pattern Details:**

Monthly (2+ days) in the office with the North American team at WHQ. Additional days if there is a project requirement or other need.

**Additional Info:**

Position provides several opportunities to work with multiple Product Development business customers, learn multiple architectures and technologies, and work on a major Product Development initiative as the GPIRS application supports the building of prototype (pre-production) vehicles globally. We are a global team which includes an offshore development team. Training is available to support objectives.



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**Rotation ID:** 3,356**Job Title:** Supply Chain Digitization IT Software Engineer**Supervisor:** Jyothi Gainadi**Supervisor Email:** jgainadi@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** Industrial System IT - Manufacturing & Supply Chain**Job Family:** ITS Software Engineering**Location:** Rotunda Center**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** 1-2 days per week**High Tech, High Demand (HTHD) Position?** No**Department:** IT Supply Chain Digitization**Department Description:**

Ford is in the middle of Supply Chain Transformation. One of the key focus areas to enable this transformation is to ensure there is robust management of supply chain risk and assurance of supply to ensure demand for our world-leading products can be met optimally. This role will help drive the implementation of technology solutions to mitigate risks related to semi-conductor supply shortages along with the development of the strategic solution for Supply Chain master data repository integrated key external supply chain data with internal operational data. This data repository will drive key insights through descriptive and predictive analytics.

**Position Duties:**

Software Engineer position within IT Product team responsible for full cycle systems development activities including software design, development and deployment to launch new systems and enhance existing systems. This position core responsibilities and tasks will include: - Development and integration of IT solutions using agile methodology considering architecture patterns, critical performance characteristics, security measures and customer requirements. - Integration and integration deliverables (Webservices, API, etc.) - Working with others to prepare and stage production builds, verify production releases that meet technical and business expectations - Work on data migration/conversion activities in Google Cloud Platform using Dataflow, Datafusion, BigQuery, GCS, etc.

**Desired Skills:**

- Desired Technical Skills: Java (Open JDK), Angular, SpringBoot, Relational Databases
- Knowledge of full stack java development using Angular and SpringBoot
- Knowledge of software delivery tools (GitHub, Jenkins)
- Practical experience in core development technologies and software tiers (UI, Middleware and Back End/databases)
- Ability working in cross functional global team environment
- Experience or knowledge of Pivotal Cloud Foundry (PCF) platform will be considered a plus.



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**Required Skills:**

- BS in Computer Science or related field, or equivalent experience
- Strong analytical and problem-solving skills
- Troubleshooting skills
- Excellent verbal and written communication skills

**Work Pattern Details:**

Hybrid work pattern

**Additional Info:**

This position will be in IT Design & Build, Supply Chain Digitization and not IT Design & Build Manufacturing.



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**Rotation ID: 2,865**

**Job Title:** Americas Manufacturing Site Process Management IT Analyst

**Supervisor:** Jennifer Gies

**Supervisor Email:** jgies@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Site Management and End User Support

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT MANUFACTURING

**Department Description:**

IT Site Management is a global organization responsible for a variety of key IT functions, including: \* End-to-end IT support for manufacturing facilities \* Coordination of IT activities within manufacturing & office buildings

**Position Duties:**

NOTE - Work onsite 1 to 2 days per week at a manufacturing plant This rotation will allow you to experience and understand the process, problems and successes related to the manufacturing of vehicles. The IT Site Process Management team who has responsibility for all North America Assembly, Stamping and PTO Plants are involved in all aspects of IT in Manufacturing. □ \* Develop an in-depth understanding/knowledge of how plant IT supports vehicle production in Ford's manufacturing facilities. \*\*Work onsite 1 to 2 days per week at a manufacturing plant to provide operational support and to learn the manufacturing IT business. □ \* Set and guide operational responsibilities for North American Manufacturing Plants; develop and implement best practices. □ \* Develop relationships with manufacturing site teams, infrastructure and application support teams, and manufacturing IT application teams. □ \* Interface between business partners, central IT colleagues and plant IT teams. □ \* Support central planning & coordination efforts (e.g. data gathering/analysis, etc..) that may impact one or more North American Manufacturing plants. □ \* Ability to guide work assignments aligned with FCG interests. □ \* Handle/assist in a variety of assignments that allow for both independent work and collaboration.

**Desired Skills:**

□ \* Excellent networking skills and relationship building skills □ \* Passion for building functional and technical excellence

**Required Skills:**

□ \* Strong interpersonal skills □ \* Technical writing skills



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**Work Pattern Details:**

Work onsite for two full weeks at a southeast Michigan manufacturing plant to learn the Plant IT role. 1 to 2 days per week at a manufacturing plant or Dearborn building (with some flexibility as needed). Remote the remainder of the time. Position is non-exempt, therefore limited to 40 hours a week. Team core working hours are 7:00 am - 4:00 pm to support the Plant IT teams.

**Additional Info:**

Please feel free to contact Jennifer Gies (JGIES) or Chris Calleja (CCALLEJ1) for additional information.



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**Rotation ID:** 3,236

**Job Title:** Developer Experience Software Engineer

**Supervisor:** Justin Kirkwood

**Supervisor Email:** jkirkwo8@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Developer Experience

**Department Description:**

The Developer Experience Team's directive is to curate the best developer experience and reduce friction in the development lifecycle at Ford Credit, by collaborating and crafting solutions that are easy to use for stream-aligned teams, enablement teams, and platform teams.

**Position Duties:**

At the start of your rotation, you will be able to participate in a Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will introduce you to our software craftsmanship principles/Agile practices and provide a business overview so you can connect your work to value it provides. You'll be configuring GCP resources, developing with Java and other languages, conducting technology research, and collaborating with other development teams to help improve their experience. Potential Technologies Supported: Tekton CloudBuild Terraform Java Springboot Go Python Atlassian Products

**Desired Skills:**

Full stack developer (more emphasis on back end dev) Some database dev knowledge Cloud experience (Platform agnostic)

**Required Skills:**

Understands OOP (prefer JAVA, but not required) Understand SDLC

**Work Pattern Details:**

Role can be fully remote

**Additional Info:**

- Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. - We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is

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encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. - FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 1,876

**Job Title:** Software Engineer - MFG Production Scheduling Systems

**Supervisor:** Jeffrey Lakatosh

**Supervisor Email:** jlakato7@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** MFG Material Flow & Production Scheduling

**Department Description:**

The Material Flow & Manufacturing Production Scheduling PDO Team is responsible for development, deployment & support of applications globally that are used in plant production operations. We have a mix of critical and non-critical plant floor applications that are responsible for producing Ford Vehicles. This also includes power trains and stamped components to meet global production needs. The technology is located physically in 30+ plants throughout the world. Our systems schedule, build, manage inventory, notify, and monitor plant floor information and operations. This global product suite has employees in Asia-Pacific, Europe, and North America that interface and interact with global users daily. The product team is in the midst of a major re-engineering and new development effort to use new technologies, methods and tools to bring innovation at market speed to the manufacturing organization. If you are in IT and looking to gain product knowledge in one of Ford's core business pillars, look no further. Our suite of production applications run critical operations and deliver bottom line value to Ford Motor Company.

**Position Duties:**

The Software Engineer position will be responsible for working within the product team to design, deliver and execute and support production vehicle scheduling management capability. Responsibilities include, but are not limited to: - Learn and utilize software delivery tools (GitHub, Jenkins, Junit, Gradle, Eclipse, IntelliJ, SonarQube, Docker/Kubernetes) to develop, test and deliver Schedule Management capability - Implement Agile development methods in Rally (Epic/Sub-Epic, Features, Stories, Iteration planning, burn down, ceremonies, retrospectives, etc.) as part of the development process - Learn and utilize cloud based computing technologies and how to deploy for usage to the distributed plant floor (Pivotal Cloud Foundry, Windows 2016, SQL Server 2016) Utilize paired programming, XP, SCRUM, and test driven development methods - Assist in developing a migration path off legacy technology onto the new platform, implement the migration path - Learn





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core functionality of the Manufacturing Production Scheduling process - Identify Dynatrace and Splunk integration methods to new developed tools

**Desired Skills:**

- General understanding of Windows Server 2016, Jenkins, Junit, Gradle, Kubernetes - Ability to multitask by working with multiple initiatives - Capable of managing work with limited supervision - Strong interpersonal skills

**Required Skills:**

- Understanding of Java and Eclipse/IntelliJ - Understanding of Angular - Understanding of cloud-based computing - Agile software development methods - Motivated and self-starter - Comfortable interacting with plant IT and business customers located across the globe to clarify or define business needs/issues - Quick learner and able to adapt to a changing environment as new processes are implemented - Works well in a diverse global team environment - Excellent written and verbal communication skills - Experience with MS Office (Word, Excel, Outlook, etc.)

**Work Pattern Details:**

Due to the global nature of this assignment, on occasion, participation in early morning or late evening meetings may be required. Hybrid work pattern is primarily Work From Home (WFH), with occasional (1x, 2x month) on site collaboration

**Additional Info:**

Due to the global nature of this assignment, on occasion, participation in early morning or late evening meetings may be required. This position will be Work From Home (WFH) until Ford updates their policy/direction on in-person work at a Ford office facility.



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**Rotation ID: 3,253**

**Job Title:** Solution Architect (Application & Technology domain)

**Supervisor:** Jennifer Mackovski

**Supervisor Email:** jmackov2@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Architecture

**Job Family:** IT Architecture

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Architecture Management

**Department Description:**

Fast moving, high visibility position that allows you to have direct impact with Enterprise Architecture at Ford. In this position, you will work in the core sectors of enterprise architecture: Business, Information, Application and Technology Architecture. You will work closely with architecture data using analytics tools, such as: QlikSense and Alteryx, to perform analysis and build dynamic, insight-gathering dashboards. We are looking for somebody driven and passionate about learning something new and is comfortable working together as a team. We currently have a diverse and agile team of 4 GSRs and 1 FCG. The responsibilities and skills are general guidelines, and not all are required. We are more concerned with getting someone passionate and willing to learn! We want to work with you and will try to accommodate your interests and skills! We also promote career growth and personal development. Reach out and learn more about the position and our team! • Former FCG: Andrew Rebits

**Position Duties:**

Learn, contribute, and impact the future of Enterprise Architecture. You will learn about driving change and development of innovative ideas from concept to fruition. Help the advancement of:

1. Business, Information, Application and Technology Architecture
2. Technology Management
3. Application Portfolio Management
4. Integration with other IT Systems (Financial Systems, Reporting, Project Management, CMDB)
5. Analytics, dashboards development using QlikSense and Alteryx

**Desired Skills:**

1. Knowledge of IT architecture processes and architecture deliverables
2. Excellent problem solving skills with can do attitude
3. Ability to build and maintain strong relationships across organizational boundaries
4. Ability to work collaboratively and positively with a diverse set of perspectives
5. Knowledge and understanding of core IT processes
6. Security and Controls knowledge a plus
7. Requirements Gathering and prioritization
8. Excellent Organization Skills



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**Required Skills:****Work Pattern Details:**

The position is mainly remote. However, we like to do on site Architect Tuesdays for better collaboration.

**Additional Info:**

You will have have the opportunity to build your technical and strategic muscle in this role. Additional Position Duties: 1. Develop requirements for systems that will implement Architecture processes, standards, methodologies and artifacts; ensure internal and external stakeholder requirements are captured. 2. Learn HOPEX (Architecture Management tool) and consult/help other Architects learn the tool and and onboarding process 3. Support efforts of Architecture Management in driving and maintaining standards 4. Our team is Base Camp 1 Certified in Rally and you will get a chance to learn and utilize the tool 5. Opportunity to get involved and help refactor /simplify Technology Management across the enterprise



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**Rotation ID:** 3,388

**Job Title:** ITO Security Infrastructure Operations

**Supervisor:** Jennifer Peltz

**Supervisor Email:** jpeltz3@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** IT Operations

**Job Family:** IT Site Management & End User Support

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** NA COMP OPRNS MGR

**Department Description:**

Security Operations is responsible for providing centralized operational and application support while working very closely with various Development, Planning, and Financial groups.

**Position Duties:**

Do you ever wonder how Ford protects the data within Ford and even the ones that reside on Ford/Lincoln vehicles? Want to learn more? The ITO Security Cryptography Service team is responsible for global support of the following tools: Secure Email, In-Vehicle Security System, SSL Certificates, Hardware Security Modules, Code Signing, Cloud Encryption, and EKCM (Enterprise Key Certificate Management). This includes day to day operational tasks that ensure the tools are functioning at optimal levels and maintaining the security triad of Confidentiality, Integrity, and Availability (CIA). It also includes maintaining continuous improvement through automation by scripting and process improvements. The FCG position will provide the candidate with the ability to contribute to their choice of one of the above applications, with the ability to learn any other applications that appeal to them. Most Cryptography Service application require a solid understanding of network and security processes as well as an awareness of the various devices operating on the network. As a professional in cryptography service team, you will promote security for users and applications in the Ford Environment. At Ford we take the responsibility of protecting our customer's and employee's personal private data very seriously. Ford products are as unique our brand name; protecting our Intellectual Property from any unnecessary disclosure is essential to be a competitive automotive manufacturer. The Cryptography Service team plays a key role of supporting the tools used to safeguard this sensitive information.

**Desired Skills:**

Operational Experience a plus, but not required Effective communication with management, both written and oral



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**Required Skills:**

Operational Experience a plus, but not required Effective communication with management, both written and oral

**Work Pattern Details:**

Fully remote, opportunities to see/participate in on-site work as needed.

**Additional Info:**

Encryption Solutions: These solutions include Secure Email, In-Vehicle Security System, SSL Certificates, Hardware Security Modules, Code Signing, Cloud Encryption, and EKCM (Enterprise Key Certificate Management). Each of these solutions are an integral part of Ford Motor Company's global encryption infrastructure to support the now and in the future. Fun Facts: • Cryptography Service has 17 team members who all support multiple applications within the group • Cryptography might not be in the forefront to users on their day to day use but we play a big and important role/ impact from data encryption up to making sure Ford/Lincoln vehicles are secure • Every application has at least 1-2 SME's who are considered the most knowledgeable • Everyone is on-call all the time BUT the only time you would have to log on is if there was an outage/you were paged (VERY RARE – our applications are very stable) • Work/Life balance is important and we strive to make sure that everyone has any time off that they require, or can work from home if the need arises



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**Rotation ID:** 3,024

**Job Title:** MFG IT ENGR - Dearborn Truck Plant & Rouge Electric Vehicle Center

**Supervisor:** James Richardson

**Supervisor Email:** jrich264@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Site Management and End User Support

**Location:** Dearborn Truck Plant

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT MANUFACTURING

**Department Description:**

Manufacturing IT Operations deploy new plant IT systems and processes alongside maintaining existing systems. We provide end-to-end support for manufacturing facilities, and we interact directly with manufacturing people, teams, and technology. Dearborn Truck IT's objectives are:

- Support and guide future IT application & infrastructure changes in our plant.
- Improve efficiency and/or capability of departmental IT processes and manufacturing processes for our manufacturing business partners.
- Act as an SME within manufacturing for any and all IT related items.
- Act as Voice of the Customer within IT on behalf of Manufacturing.
- Keep the manufacturing process running.
- Contribute to the development of new processes.
- Contribute to the deployment and integration of new technologies and tooling in the plant environment.

**Position Duties:**

This rotation will allow you to experience the process, problems, and successes related to vehicle manufacturing. Dearborn Truck is one of Ford's most advanced and complex plants, and is the home of the F-150, the Raptor, F-150 hybrid electric, and the new F-150 Lightning BEV and the Rouge Electric Vehicle Center (REVC). REVC is a showcase of next-gen flexible manufacturing technologies, including future state network and plant floor systems. The 2024 calendar year will include ramp-up operations as F-150 Lightning and F-150 ICE production scale to meet high demand of Ford's exciting BEV and ICE products. What you will do:

- Engaged in Factory of Tomorrow (FoT) technologies to support 2024 F-150 Lightning BEV at the REVC
- Implement IT components of Ford Production System and support DTP and REVC, Body/Paint/Final.
- Contribute to strategic planning as legacy manufacturing sites prepare to transition to FoT future requirements, including new MQTT-based systems.
- Infrastructure (network & server) upgrades to maintain standards; legacy network migration to FoT/DNAC network.
- Application patches & upgrades to meet manufacturing requirements
- Interface between business partners (Plant Manager to hourly workforce) and IT
- Run



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and protect manufacturing operations. What you will learn: • In-depth understanding/knowledge of plant floor applications and support • Day-to-day manufacturing operations and practices • Developing relationships with manufacturing site teams, infrastructure and application support teams, and manufacturing IT portfolio teams • You will be assigned tasks that will develop your leadership and communication skills • Your experience in this fast paced, rapidly changing environment will teach you how to manage multiple tasks and projects.

**Desired Skills:**

• Excellent relationship building skills • Proven ability to own the issue and collaborate with global IT team to drive to resolution • Passion for building functional and technical excellence while being curious about the company's future capabilities • An infectious appetite for learning, change, and continuous improvement

**Required Skills:**

• Proficiency with technical computing infrastructure • Strong interpersonal skills • Technical writing skills

**Work Pattern Details:**

All team members work 40 hours per week onsite. The distribution of those 40 hours varies based on team and production needs. FCGs will start on a core hours 5x8 shift working Monday-Friday, with an 8am start time. There is flexibility to move to different start times and different shift patterns (4x10, nights, weekends etc.). Start times and work patterns are collaboratively determined between the IT Manager and the FCG. This rotation allows for overtime pay at 1.5x (non-exempt) if work over 40 hours/week is performed. Overtime work is routinely available but rarely required. This rotation also offers shift premium (pay increase) for working night or weekend production shifts.

**Additional Info:**



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**Rotation ID:** 3,017

**Job Title:** Software Engineer – Strategy & Product Incubation

**Supervisor:** Jason Stoliker

**Supervisor Email:** jstolike@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Architecture

**Job Family:** ITS Architecture

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** DevTools & Enablement

**Department Description:**

The mission of the Strategy & Product Incubation team is to provide value to our customers (software engineers and product teams) with everything we do. We think about the Software Development Ecosystems that our customers use daily and strive to make it better. The strategy aspects of the team focus on overall vision and strategies of the broader department along with communications and training. The product incubation side of the team provides solutions to common problems and opportunities that our customers face.

**Position Duties:**

The Software Engineer position will be responsible for working within the product incubation team to design, develop and deliver product solutions to add capability and value to software development ecosystems that are utilized by software engineers and teams. Responsibilities include, but are not limited to: \* Participate in the analysis of new solution opportunities \* Work with application teams and software engineers to conduct PoC and pilots of new solutions to validate value and viability \* Focus on data driven solutions that enable action, driving products teams and helping them improve their software \* Learn and utilize software delivery tools to develop, test and deliver products \* Implement Agile development methods as part of the development process \* Utilize paired programming and test-driven development methods \* Learn and utilize cloud-based computing technologies to deploy products (GCP)

**Desired Skills:**

\* Critical thinking about solution design and composition \* Ability to make reasoned judgments that are logical and well thought out \* Ability to multitask by working with multiple initiatives \* Capable of managing work with limited supervision \* Paired programming experience

**Required Skills:**

\* Development experience \* Strong problem-solving skills \* Strong desire to learn new things and





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teach new things to others

**Work Pattern Details:**

Quarterly department planning on-site optional, otherwise fully remote.

**Additional Info:**

This position offers an opportunity to directly impact how software engineers and product teams develop and manage software. We are a very collaborative and social team who loves to have fun while building products.



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**Rotation ID: 3,377**

**Job Title:** Manufacturing IT Engineer

**Supervisor:** James Turner

**Supervisor Email:** [jturn243@ford.com](mailto:jturn243@ford.com)

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Site Management and End User Support

**Location:** Sterling Plant

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Global IT Site Management

**Department Description:**

Sterling Axle plant is a 3M sq. ft. facility and the only Axle plant within Ford Motor Company globally! The Sterling Plant is responsible for producing Rear Axles for the (F-150, F-250, Expedition/Navigator, Mustang, Front Axles (F-150, F-250, Expedition, Navigator) & Rear Drive Units (Flex/MKT, Escape, Fusion, etc.). The IT department is a dynamic team of 9 individuals supporting all of the technology systems and infrastructure involved with making 2.5M axles a year! Each analyst in the department has primary responsibility for a number of applications. In addition, the department has enough versatility to provide backup support for almost all of the applications/network in the facility. We work closely with the business on all IT related items and you will have exposure to all levels at the plant from hourly individuals to operating committee members giving you a chance to further develop your soft skills. We will also work on project management skills. For the next year, we are looking to drive more data analytics and paperless/digitized solutions and are looking for an individual who is a self-starter, has a Be Curious mindset and the willingness to learn. You will also have the opportunity to attend a plant led week long Green Belt training course and have the opportunity to work with the business on an IT project that can further benefit the plant. Working in Manufacturing allows you the chance to see firsthand the impact we have to our bottom line! It is a fast-paced and fun environment and you will learn something new all the time. We hope we get the chance to have you on our team!

**Position Duties:**

Working closely with primary analysts to support plant floor systems throughout the plant. With the large amount of data coming in from the Plant Floor, it is important we manage the applications that collect and manage this data. As such, analysts will monitor and maintain several systems each, and support each other in these duties. Using collected analytics, Analysts will then make changes or recommendations based on observations and data trends. Analysts may also be called upon to



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complete risk and data analyses for applications. Analysts may be called upon to act as Project Manager for various projects. With the major launch of the new product this year it provides the unique opportunity to be involved in new model program launch life-cycle. The analysts may also be involved in incident resolution regarding the various plant applications. It is a great place to gain familiarity with the products that we produce and gain an understanding for the manufacturing business and all of the people involved with getting these transmissions into the assembly Plants. This is a great experience that any employee should have.

**Desired Skills:**

Willingness to learn and take on new and creative projects self- starter Basic programming a plus Experience with SharePoint a plus

**Required Skills:**

**Work Pattern Details:**

in-office

**Additional Info:**



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**Rotation ID:** 1,680

**Job Title:** Threat Intelligence Analyst – Cyber Security

**Supervisor:** James Vittone

**Supervisor Email:** jvittone@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Cyber Defense Center (CDC)

**Department Description:**

This position opportunity is for a Threat Intelligence Analyst within the Ford Cyber Defense Center (CDC). The analyst will aid in providing context-aware intelligence information to the global cyber defense team to assist in the CDC's mission of protecting Ford Motor Company assets from compromise. The Cyber Security Threat Intelligence Analyst will be focused on addressing relevant threat intelligence feeds and data and making that information actionable by the CDC resources that require it to perform their job effectively.

**Position Duties:**

- Assess and validate threat intelligence information received from a wide variety of sources.
- Utilize Threat Intelligence Feedback Loop to update tools and processes so they are "context-aware" and organizationally appropriate.
- Develop threat intelligence briefings
- Become proficient in security platforms such as SIEM, NIDS/HIDS, firewalls, WAF, and malware detection and remediation platforms
- Develop and enrich trust relationships with internal business partners
- Perform network traffic and anomaly analysis
- Extract indicators of compromise from system logs (Unix & Windows), application/database and firewall logs, SIEM alerts, endpoint malware alerts, and other emerging log sources/technologies

Additional responsibilities may include:

- Produce weekly and ad-hoc threat intelligence briefs and threat trend reporting
- As they pertain to cyber security, advise the organization on both preventative and containment strategies
- Communicate and escalate issues and information as required by process or management
- Develop and evaluate rules and signatures for IDS, IPS, and/or other signature matching technology

**Desired Skills:**

- 1-3 years of Information Technology experience with network security technologies, threat and vulnerability management, and host/network-based security strategies
- Solid and demonstrable comprehension of information security concepts including malware, emerging threats, attacks, and



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vulnerability management •Experience with QRadar or other SIEM a plus

**Required Skills:**

•Strong deductive reasoning, critical thinking, problem solving, and prioritization skills •Customer service skills - resolution of customer escalations, incident handling, and response •Excellent written and verbal communication and organizational skills •Thirst for continuous learning and willingness to disseminate knowledge. •Experience in infrastructure development and operations •Strong interest in Security & Controls, specifically the areas of incident response, technical event/incident assessment, and malware research; desire to gain competency in these areas. •Disciplined approach utilized when completing work and adhering to procedure •Familiarity with common server/client operating systems, software, network and storage infrastructure •Experience developing and maintaining procedures and documentation •Demonstrate high level of independent initiative, drive for quality results, and integrity •Familiar with Ford ITPM

**Work Pattern Details:**

Team meetings 1 per quarter but could be more frequent based on need.

**Additional Info:**



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**Rotation ID:** 3,417

**Job Title:** Software Engineer

**Supervisor:** Jane Wang

**Supervisor Email:** jwang28@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT Marketing Sales & Services

**Department Description:**

OWN B2C PDO team is responsible for delivering digital Owner experience to Ford customers globally. Team has full stack development responsibility building web front end using React, Adobe Experience Manager as content repository, and backend microservices with Spring Boot on GCP Cloud Run. The team also develops applications that augment features and provides a webview to global mobile app (FordPass). Global Account will enable an intuitive and consistent experience that is personalized to each Members unique relationship with Fords digital experiences

**Position Duties:**

Provide application development, integration and operational support (DevOps) for multiple digital properties hosted on Adobe Experience Manager (AEM) and micro services on GCP Cloud Run. The position is a software engineer role that requires one to understand the overall technical solution and work with multiple Ford IT teams to develop React components used in single page applications (SPA), Adobe Experience Manager (AEM) components and services on Cloud Run as needed. Responsibilities are: 1. Develop applications using React framework as well as Spring Boot on GCP Cloud Run. 2. Liaison between the dev teams and other Ford IT teams to develop and implement applications that meet business requirements. 3. Develop CI/CD pipelines to automate build and deploy.

**Desired Skills:**

Technical background in the following areas: Adobe Experience Manager and Adobe Marketing Cloud products React JS Spring platform Node JS OAuth2.0 Google Cloud Platform

**Required Skills:**

Java and JavaScript

**Work Pattern Details:**

Hybrid: 1-2 days/week in office

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## Additional Info:



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**Rotation ID:** 2,987

**Job Title:** Software Engineer - Model based Systems Engineering

**Supervisor:** Janardhan Yandooru

**Supervisor Email:** jyandoo1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT PD

**Department Description:**

Vehicle Electrical and Software Systems Engineering (VSSE)

**Position Duties:**

This position is for a software engineer in the Systems Modeling Ecosystems group(SME) in the VSSE space. In the SME group we support our business partners with a Custom off the shelf (COTS) stand alone tool called MagicDraw and it collaboration server called TeamWork Cloud(TWC). Magic Draw is a systems architectural/descriptive/analytical modeling tool for SysML and UML languages. This is a recommended Model Based Systems Engineering (MBSE) tool for systems engineering, feature modeling, UX, Failure Mode Avoidance and Functional Safety processes at Ford. This position involves 3 distinct areas

1. DATA INSIGHTS \*Developing web-based dashboards that can provide granular data insights for the TWC application. The data can be retrieved via API calls to the server. \*Interface with the business customer to collect requirements for these dashboards. \*Run SQL type queries in the IncQuery server (an existing server that already indexes the TWC data) to derive insights into data quality \*Use the above dashboards and IncQuery queries to come up with strategies to maintain high level of Data quality in the TWC PROD environment
2. GCP POC \*Assist in setting up a GCP hosted POC for the current infrastructure that is hosted on VMs in the data center \*Once setup is complete, utilize the full suite of GCP tools available at Ford for server monitoring, observability, financial impact and issue resolution.
3. AGILE \*Own the Delivery/Release timeline for all inflight features in the SME space \*Work with IPD&T team and SME team to create a WBS of all features and track them to completion \*Run Daily standups, Quarterly Release train planning sessions and Retrospective ceremonies \*Finalize agenda and run the weekly alignment meeting with IPD&T team and Business customers \*Interface with EESE business to explore new opportunities in the MBSE space.

**Desired Skills:**



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Good to have skills: Rally (agile methodology) Project management Vendor engagement

**Required Skills:**

Required skills: Java Rest API GCP Containers Open shift

**Work Pattern Details:**

bi-weekly in person team meetings

**Additional Info:**



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**Rotation ID:** 2,722

**Job Title:** Software Engineer - Virtual Reality & 3D Printing

**Supervisor:** Ken Kisiel

**Supervisor Email:** [kkisiel@ford.com](mailto:kkisiel@ford.com)

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

The Facility Design & Visualization product team researches, develops and supports hardware and software solutions used in the manufacturing domain. Our portfolio includes tools to support the emerging areas of Virtual / Augmented Reality and Additive Manufacturing (3D printing).

**Position Duties:**

This position has a focus on testing and deploying hardware & software to support Extended Reality (XR) based learning solutions & 3D printing technologies and tools in the Manufacturing domains. This position is technical. Primary objectives include: - Research and deploy network-based solutions for managing 3D printers. - Assist with development of IT strategy to support 3D printing and generative design workflows. - Work with engineers and suppliers to analyze business needs and design software solutions for 3D printing. - Investigate new Virtual, Augmented and Mixed Reality features, solutions, devices and platforms for their readiness and assess their potential business value with a primary focus on solutions to meet training needs in Manufacturing organization. - Work with business Mfg partners to execute potential XR Visualization use cases. - Communicate technology and innovation with business partners and IT teams.

**Desired Skills:**

Interest in learning about manufacturing. Experience with Agile methodologies. Experience with immersive technologies (Virtual, Augmented, Mixed Reality). Experience with 3D printing technologies. Programming experience with one or more mobile platforms such as Android and iOS, HTML5, JavaScript) is a plus.

**Required Skills:**

Willingness to learn new/advanced tools and ability to quickly adapt to new technologies. Strong technical/analytical mindset and skills. Strong communication skills. Some knowledge of XR concepts (Virtual, Augmented and Mixed Reality).



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**Work Pattern Details:**

One to two days a week onsite on average for partial or full day to local Ford sites in Dearborn, MI or Redford, MI to test software and hardware on the standard Ford Wifi networks.

**Additional Info:**

This is an excellent opportunity to learn about the latest trends in manufacturing technology.



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**Rotation ID:** 3,347

**Job Title:** Software Engineer - Tooling Design and Build

**Supervisor:** Ken Kisiel

**Supervisor Email:** [kkisiel@ford.com](mailto:kkisiel@ford.com)

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

As a team our duty is to enable Manufacturing Engineering to complete GPDS deliverables and achievements for new vehicle programs, including launch and continuous plant optimization. The Manufacturing Engineering IT teams in Dearborn, Cologne and Chennai manage a portfolio of 170 Engineering applications supporting the engineers from the early planning phases through to Job#1 + 90 days. The Tooling Design and Build Product Team provides state of the art methods and technologies used to manage and run the tool shops as well as Stamping Engineering worldwide. Stamping Engineering is responsible for engineering and designing the dies which are then manufactured by the tool shops. From an IT point of view the application portfolio ranges from externally purchased to in house developed Java applications.

**Position Duties:**

Working in an international team of developers, the Software Engineer will participate in rewriting the FREDOM application in Spring Boot and Angular on the Google Cloud platform. The old FREDOM application is an existing in-house developed application which is running with EclipseLink which is no longer supported at Ford. Due to this it is to be replaced by the new Spring Boot version. The FREDOM application supports the production of the F250 in Ohio by collecting, analyzing, and transferring geometry data concerning the vehicle frames to a supplier. The data is used by the supplier to produce parts. The software Engineer would work closely together with an international team of colleagues, which is supporting the existing version as well as working on the new development.

**Desired Skills:**

Experience in Java Springboot, Google Cloud and Angular would be of benefit for the team member but is not required.

**Required Skills:**



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Some software development experience in an object driven programming language is required, the detailed skills can be learned during the assignment. As the IT team is an international team with some of the colleagues being located in Germany or India the FCG must be open to working with different nationalities and cultures.

**Work Pattern Details:**

Mostly flexible. As many of the colleagues work from India/ Germany the FCG should be available during the morning hours. For team building activities the FCG should be open to coming to the office from time to time.

**Additional Info:**



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**Rotation ID: 3,301**

**Job Title:** Software Engineer - Dealer Network Space

**Supervisor:** Kevin Michalec

**Supervisor Email:** kmichale@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Dealer Network and Employee Engagement (DNEE) in IT M&S

**Department Description:**

Dealer Network and Employee Engagement (DNEE) is a department that focuses on applications used in the support and tracking of dealer functions. Specifically for this role, the focus will be the Dealer Program Enrollment & Information (DPEI) application, which tracks what Ford, Lincoln, Ford Blue and Model e Programs a dealer can be/is enrolled in, based on location and dealer agreements.

**Position Duties:**

The Software Engineer will be part of a team responsible for designing, developing and maintaining a rewrite/modernization of the Legacy DPES application into its updated and modernized form. The legacy application was written in classic ASP technology, using Oracle as the backend. The new NextGen application, which will be the focus of position, is written/modernized using JAVA, Angular, Springboot and PCF (on Prem), along with PostGres as the database. The updated application has shifted away from using downstream flat files, and instead is using API's (in Apigee) to cascade data to downstream applications. The initial MVP release of the NextGen application was for CAN in late 2022 and recently the US MVP was rolled out in August 2023. In late 2023, the focus will be migrating from it's OnPrem PCF structure over to Google Cloud Platform (GCP). This position in 2024 will provide a good opportunity to get hands-on development and strategy experience in an already stood up GCP environment, while working with the business on future feature enhancements, UX redesign of the base MVP releases, supporting API migration and GCP integration. This position will also offer the opportunity develop experience with strategic planning and coordination of the application, managing how the application communicates with both upstream and downstream applications.

**Desired Skills:**

- Good knowledge of testing and security methodologies and tools such as SonarQube, CheckMarx - Good understand of logging and monitoring tools such as Splunk, and DynaTrace - Good



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understanding of SQL type databases and/or experience with PostGres - Good understanding of performance and load engineering and tuning - Agile methodologies - Possess strong interpersonal skills, demonstrating professionalism in all actions. - Experience creating technical specifications - Business process improvement experience - Knowledge of Ford IT security policy and requirements

**Required Skills:**

- Excellent verbal and written communication skills with the ability to communicate effectively with both IT (front-end and back-end developers), and our business partners - Previous experience and/or excellent understanding of JAVA, Springboot (APIs), and Angular (UI) - Experience working in a CI/CD environment with tools such as GitHub, Tekton, and GCP Cloud technologies is a plus - Strong analytical, conceptual, and reasoning skills - Agile Project Management tools (Rally) experience - Passion for code development, integration between applications, and desire to learn newer technologies is a must, as this will be a technical position first and foremost

**Work Pattern Details:**

This position can be fully remote, as a majority of the application team is fully remote and spread out geographically across North America. If the accepting candidate is located in SE Michigan, the locally based members of the team do come into Wagner Place West on Tuesdays on average 2-3 times a month, and the candidate would come in to Wagner for team building opportunities as well occasionally as well.

**Additional Info:**



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**Rotation ID:** 3,446

**Job Title:** AIML Software Engineer

**Supervisor:** Kevin O'Sullivan

**Supervisor Email:** kosulli4@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** IT Solution Design & Development

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Product Engineering and Management working with AI Advancement Center

**Department Description:**

Global Data Insight and Analytics (GDI&A) is seeking a highly motivated individual to join our growing team, apply knowledge and learn more about artificial intelligence and natural language processing. The selected candidate will work with our partners in the AIAC (Artificial Intelligence Advancement Center) to develop cutting-edge solutions that leverage the latest in AI and NLP technology. Natural Language Processing is the ability of a computer program to understand human language as it is spoken. NLP is a component of Artificial Intelligence (AI). Natural Language Processing (NLP) lies at the core of the ongoing Generative AI revolution, driven by powerful Large Language Models. The adoption of these groundbreaking AI technologies by Ford holds immense potential to revolutionize various facets of our business, encompassing customer interactions, product development, and service delivery. By leveraging NLP, Ford can profoundly transform the way we engage with customers and enhance our offerings across all areas of our operations.

**Position Duties:**

These are duties and skills you will acquire • Develop and implement AI and NLP algorithms and models to solve complex business problems. • Work collaboratively with cross-functional teams including product managers, owners, designers, architects, data scientists, and engineers to translate business value needs into deliverable stories. • Stay up to date on the latest advancements in AI and NLP technologies. • Develop and maintain documentation related to AI and NLP solutions. • Grow technical capabilities and share knowledge gained.

**Desired Skills:**

• Strong problem-solving skills. • Excellent communication and collaboration skills. • Desire to learn new things and remain flexible. • Ability to manage multiple projects simultaneously. • Strong programming skills in Python, Java, or C++. • Knowledge of machine learning, deep learning, and natural language processing. • Familiarity with data analytics and data visualization tools.





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**Required Skills:**

- Bachelor's degree in computer science, artificial intelligence, or related field.
- Strong analytical and critical thinking skills.
- Ability to work independently and as part of a team.
- Understanding of software development methodologies and best practices.

**Work Pattern Details:**

currently 1 day a week in office

**Additional Info:**

If you have a passion for AI and NLP and are ready to take your skills to the next level, I encourage you to apply for this exciting opportunity.



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**Rotation ID:** 3,464

**Job Title:** Software Engineer - Contact Center Voice Channel

**Supervisor:** Krithika Rangarajan

**Supervisor Email:** krangar2@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Network Services

**Department Description:**

The Ford Credit Contact Center Voice Channel team is responsible for supporting Ford Motor and Ford Credit contact centers globally. We focus on providing a reliable voice channel for seamless and positive customer experience. We implement exciting modern technologies within the Contact Center Voice space delivering enhanced value to our customers, dealers, and business partners.

**Position Duties:**

- Participate and assist on new technology research such as AI Conversational Interactive Voice Response (IVR) implementation, Future Contact Center Strategy development, and other business-driven technology initiatives.
- Participate in assessing new technologies, Proof-of-Concept design and testing.
- Apply Design Thinking to new solutions, IVR call flows, process improvements using new technology, including automation opportunities.
- Perform data analysis on customer-facing self-service capabilities.
- Build knowledge and solid understanding of the Contact Center's Voice Channel's technology stack and associated inter-dependencies / integration points.

**Desired Skills:**

- Agile development methodologies (e.g., Scrum, Kanban, DevOps).
- Rapid deployment using CI/CD pipelines.
- Knowledge of application components such Java, SQL, Splunk, and REST APIs.
- Knowledge of cloud technologies such as Google Cloud Platform and Contact Center-as-a-Service Platforms.
- Exposure to application design and data analytics.
- Desire to learn new technologies (e.g., cloud, AI), business processes, and other technical skills.

**Required Skills:**

- Ability to learn and grow within a fast-paced "always on" environment.
- Strong teamwork, collaboration, communication, and interpersonal skills.
- Proactive, problem-solving mindset.
- Willingness to take initiative and responsibility for solving identified problems (outside-the-box thinking encouraged).



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**Work Pattern Details:**

- Fully Remote - Typical working hours are from 8am - 4:30pm Eastern, Monday-Friday

**Additional Info:**

- The FCG will have the opportunity to work with multiple teams within the Contact Center Voice Channel department, gaining exposure to many different technologies, cross-functional team collaboration, application development processes, and infrastructure design. - Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. - We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. - FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 3,454

**Job Title:** Software Engineer

**Supervisor:** Katie Uhl

**Supervisor Email:** kuhl1@ford.com

**Positions Available:** 2

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Digital Platform

**Department Description:**

The Digital Platform is delivering a whole new development ecosystem called "Quantum" that works with a variety of tools and software, such as AEM, React, Salesforce, etc. Under the department we are divided into Web Platform, Customer Relation Management, Mobile, and Orchestration.

**Position Duties:**

This role would be for a Software Engineer on a development team working with primarily React, with supporting services in Adobe Experience Manager (AEM). We primarily develop Microfrontend applications using React, unit testing in jest, automated e2e testing in Cypress, and deployments in GCP Cloud Run. We also develop monitoring and telemetry for the client side observation. There may be a rotational opportunity between the team building on the platform, and the team building the platform.

**Desired Skills:**

React Javascript or Typescript (we typically use Typescript) Agile development experience (planning, retrospectives, standups)

**Required Skills:**

Development experience Communication skills (we generally pair program)

**Work Pattern Details:**

All our meetings are hybrid (we have remote team members), but those local to SE Michigan gather at WHQ on Wednesdays

**Additional Info:**

Ford Credit ET team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is

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encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 3,296

**Job Title:** Product Development Analyst and Architect

**Supervisor:** Lalit Patil

**Supervisor Email:** lpatil@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Architecture

**Job Family:** IT Architecture

**Location:** iTek Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Enterprise Architecture (EA)

**Department Description:**

Ford Motor Company is in the process of a multi-year transformation that will span the entire product development lifecycle (design, manufacturing, and supply chain) and lead to an integrated set of processes executed with an interconnected software ecosystem enabled by contextual, traceable product knowledge and information. This position is specifically expected to participate in and contribute to this transformative initiative. While the transformation spans multiple IT and business teams, this position is within the Enterprise Architecture (EA) group which shapes Ford's Digital Strategy through strategic road maps and innovative technical solutions by leveraging our expertise and industry perspective across the Enterprise. We guide the definition and development of strategies and architectures to enable the business to achieve their vision.

**Position Duties:**

As architecture itself has several disciplines (Business Architecture, Information Architecture, Data Architecture, Solution Architecture, Security Architecture and Technology Architecture), we will have multiple opportunities and will be able to tailor assignments to meet your development plan and needs. Please feel free to tell us your career goals and the skills or areas you would like to focus on developing! Overall, as a member of the architecture team for our "Design and Build" products, you will have a unique opportunity to support both IT and Business Teams as they work on interesting problems and develop roadmaps to reach future state. You are expected to learn and contribute to include one or more of the following (as is typical of Enterprise Architecture): - Work with business customers to aggregate benchmark and assessment data to provide data-driven recommendations for future state roadmap - Work with application teams to define system hardware and software components to Architecture standards - Design RESTful APIs and API-driven web-based tools for assisting application teams in their Google Cloud Platform development - Conduct data analysis and develop AI/ML models to support opportunities for automation in the areas of product development -



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Gain familiarity with Ford's complete Product Development and Manufacturing

**Desired Skills:**

Note that the following are desired, not required skills. What is really needed is the right attitude and aptitude. - Experience with Python, Java, Github or other modern development tools - Experience in quantitative data analysis using tools such as Alteryx, R programming language - Ability to work on multiple initiatives - Experience with Architecture modeling diagrams - Exposure to Office tools such as Excel and PowerPoint

**Required Skills:**

- Active interest in data analysis - Strong interest in hands-on software development - Self-motivated and organized - Eager to learn new tools and technologies; research, experiment and conduct multiple innovation Proofs of Concepts - Effective written and oral communication skills

**Work Pattern Details:**

Remote might be acceptable.

**Additional Info:**



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**Rotation ID:** 3,429

**Job Title:** Software Engineer

**Supervisor:** Murali Adapa

**Supervisor Email:** madapa@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** IT Solution Design & Development

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT M&S

**Department Description:**

Enterprise Technology plays a critical part in shaping the future of mobility. If you're looking for the chance to leverage advanced technology to redefine the transportation landscape, enhance the customer experience and improve people's lives, this is the opportunity for you. Join us and challenge your IT expertise and analytical skills to help create vehicles that are as smart as you are.

**Position Duties:**

Engineer for Cart-Checkout & Vehicle Marketplace products in eCommerce is a hands-on development role that own a greenfield open stack platform for a large-scale ecommerce initiative. Modernize the technology stack for the ecommerce cart/checkout and/or post purchase and/or customer service platform Model the use of modern software engineering practices (i.e., TDD, BDD, CI/CD, Shift left etc.)

**Desired Skills:**

Prior knowledge on Java/J2EE Ability to communicate effectively. Adobe Experience Manager knowledge will be a plus Exposure to React JS Familiar with Github, Jenkins, Rally,

**Required Skills:**

Prior knowledge on Java/J2EE Ability to communicate effectively.

**Work Pattern Details:**

Quarterly in-person planning sessions; Otherwise mostly remote. Paired programming

**Additional Info:**





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**Rotation ID:** 3,411

**Job Title:** PCF & GCP Serverless DevOps Engineer

**Supervisor:** Mohsin Ahmed

**Supervisor Email:** mahmed7@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** IT Operations

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Cloud Platform Services

**Department Description:**

Cloud Platform Services is a department of the Platform Delivery Service Cloud Services embodies the "Go Further" ethos with global, industry-leading, full life-cycle, 24x7x365 support to mission-critical infrastructure across the Enterprise Our Team Operating Values include: - Embrace Change, encourage Innovation, accept Challenges - Resolve immediate issues designed for a long-term strategy and ongoing support - Apply Effective Leadership and Efficient Management that Lead-By-Example - Enable and develop our Employees to embrace new technologies and processes - Measure our QOS by implementing Best Practices and Industry Benchmarks - Provide a Challenging Environment which fosters Professional and Personal Growth

**Position Duties:**

Pivotal Cloud Foundry (PCF)/Tanzu Application Service (TAS) and GCP Serverless Engineer participates in a DevOps environment leveraging emerging technologies. This position works closely with engineering, operations, development teams, and product vendors to implement and support the suite of PCF/TAS and GCP Serverless services in Ford's private & public clouds. The DevOps Engineer will be involved in the following areas as part of the rotation. PCF/TAS and GCP Serverless Computing technology platforms support: • Fast application development and deployment • Highly scalable and available architecture • Automation • Blue/Green deployments eliminating change windows • Develop Infrastructure as code DevOps Engineer Opportunities: • Automate infrastructure processes and deployments • Develop customer-facing cloud-native APIs and external services • Work with industry-standard monitoring tools such as Dynatrace, Splunk, and Healthwatch • Learn the inter-workings of Cloud from networking to the PCF-hosted app and GCP Serverless Cloud Run & Cloud Functions • Programming language, operating system, & service proficiencies: - Linux (PCF is run on Red Hat Linux infrastructure) - Go (PCF is coded in Go, and many of our automation scripts are written in Go) - Java (Our team is moving toward Java as both an external scripting and API



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standard) - Bash (Most internal scripts are written in Bash) - PCF Service Suite: Redis, RabbitMQ, MySQL, and more - Terraform - CI/CD pipeline development using Concourse and Tekton  
PCF and Serverless technologies are front & center as the corporation continues its migration to GCP. It requires the individual to stay abreast of the continual evolution of changing technology and understand how PCF services (Application Services (TAS), RabbitMQ, Redis, Spring Cloud, etc.) and GCP Serverless technologies Cloud Run and Cloud Functions integrate into the new Ford Standard Compute environment to fit customer needs.

**Desired Skills:**

- Perform at a high level of technical competence and maturity - Experience with Linux Operating System and proficient in Bash - Familiarity with Serverless technologies, Stateless application development and Containers - Ability to communicate effectively with all spectrum of users and technicians - Ability to assess and resolve business user needs - Familiarity with Cloud Technologies

**Required Skills:**

- Highly motivated individual with strong technical skills - Knowledge of and experience with Linux OS - Knowledge of hosting services in Public Cloud - Experience with VMware a plus

**Work Pattern Details:**

Core hours for the North American team are 8:30am-5:00pm EST. Daily Stand Up is between 8:30am-9:00am Some support work required after hours and weekend when on-call.

**Additional Info:**

This is an opportunity to work on highly visible technology that hosts close to 900 applications globally. 2023-24 will be exciting years for the PCF/TAS & Serverless computing Service Team as we are planning PCF application migration from Azure and On-prem to GCP by leveraging GCP native services like Cloud Run and Cloud Functions. While you may not have all the necessary pre-requisites for this position, we are willing to work (through agile pairing) to help you gain the knowledge necessary to be successful in this assignment. Please contact Mohsin Ahmed (MAHMED7) with any questions related to the position.



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**Rotation ID:** 2,940

**Job Title:** Software Engineer: e-Commerce Model e Vehicle Finder

**Supervisor:** Michael Berry

**Supervisor Email:** mberry59@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** PBT: Software Engineer

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT M&S

**Department Description:**

As Ford Motor Company strives to become the world's most trusted company, we must create exceptional experiences for our customers. The Global User Experience group in Marketing, Sales & Service (MS&S) is an exciting and fast-paced team that is shaping the ways that Ford will interact with customers today and tomorrow. The group is responsible for consumer-facing "Shop and Buy" websites like Ford.com and Lincoln.com, as well as emerging eCommerce experiences. eCommerce teams are organized as product-based teams that develop and deliver working software for re-imagined customer buying experiences. Team members will have the opportunity to help shape this team and build skills with leading technologies and software delivery practices that are highly sought after in the marketplace.

**Position Duties:**

Shape the future of how Ford sells vehicles across both Model-E and Ford Blue business units by building world class, customer facing, shopping solutions • Collaborate with Product Managers, Engineering Managers, Product Designers and other Software Engineers in the pursuit of world-class software solutions on the Ford e-Commerce platform. • Work with an end to end, full-stack mindset • Develop cloud native solutions on Google Cloud Platform using ReactJS, NodeJS, NextJS, Adobe Experience Manager Headless CMS, and any other technology identified that will delivery business value fast at market speed • Pair with other software engineers to deliver features that customers crave • Utilize Test Driven Development (TDD) and Behavior Driven Development (BDD) methodologies to foster a culture of impeccable quality. • Share support responsibilities for launched components.

**Desired Skills:**

Experience with Agile software delivery methodologies • Experience with Extreme Programming (XP), Pair Programming, Small Releases, Continuous Integration, and test driven development. •

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Experience with Continuous Integration/Continuous Delivery tools such as GitHub, Jenkins, Tekton, etc. • Experience with TDD and BDD frameworks such as junit, Jest, Cucumber, etc.

## **Required Skills:**

Problem solving, engineering mindset • Willingness to learn and apply Clean Code and principles of software craft • Experience with Object-Oriented programming languages through academic or other professional experiences. • Knowledge of Object-Oriented design principles. • Strong communication skills and ability to work in a team-based environment. • Self-motivated • Passion for software craft and building great software

## **Work Pattern Details:**

Currently working Tuesdays in-office at Wagner Place (Dearborn).

## **Additional Info:**

Additional technologies used within the eCommerce platform: • ReactJS, NestJS, CSS, HTML. • Java, Spring Boot. • GitHub, Jenkins, Tekton, Cypress, Cucumber, NextJS, Splunk, NodeJS If you would like to learn more, don't hesitate to contact Mike Berry (MBERRY59)



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**Rotation ID:** 2,698

**Job Title:** In-Vehicle Core Cybersecurity Engineer

**Supervisor:** Matthew Duffy

**Supervisor Email:** mduffy35@ford.com

**Positions Available:** 2

**Position Type:** Very Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Commerce Park North II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** POLICY & STRATEGY

**Department Description:**

Assist on evaluating/test FNV2, FNV3, FNV4 CAN module security, controls, and evaluation Understand/improve/apply Software Signing Develop/apply small module logging specifications and implement in vehicle Evaluate and enhance interface security controls Architect security controls in a limited resource environment (embedded system) Learn security controls and strategies of securing an embedded connected system, Represent security point of view in front of various customers (PD, Mobility, suppliers etc)

**Position Duties:**

Become the owner of a domain within Vehicle Cybersecurity. Conduct risk assessments, understand vulnerability notifications and their impacts to our vehicles, and learn the vehicle development process from within the IT skill team.

**Desired Skills:**

Knowledge of various network protocols (CAN, CANFD, TCP/IP etc) Knowledge of embedded systems and Automotive OSs (AutoSAR, CanBedded, bare metal programming) Familiar with common vehicle hacking methods and understanding of findings Understanding of Threat Models and their benefits

**Required Skills:**

Ability to multitask and prioritize Driven to own work from start to finish and meet customers deadlines Understanding of basic cryptographic primitives and how they work (Hashing, Symmetric keys (eg. AES), asymmetric keys (eg. RSA), PKI, Digital Signatures (RSASSA-PSS, RSASSA-PKCS1), SHE/ HSMs, Encryption/Decryption, TRNG/PRNG) Knowledge of common programming languages (C, C+, Python) Basic understanding of layered security controls methods

**Work Pattern Details:**

Fully remote except for needs based if you are in the region. During the course of development of

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your deliverables, there opportunities to go into our dedicated lab at Greenfield and Rotunda. We have dedicated test vehicles for our use / education as well as benches, soldering stations, faraday cages, etc. If you are not in the area, work will flow around that status. Benches and parts may be shipped as needed but vehicles will not be accessible.

**Additional Info:**



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**Rotation ID: 3,378**

**Job Title:** Cyber Security Application Security Analyst

**Supervisor:** Michael Ellis

**Supervisor Email:** mellis17@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** INFRASTRUCTURE

**Department Description:**

The Ford Credit Application Security team serves as Ford Credit's subject matter experts for application vulnerability remediation and application development security best practices. The team provides global consultation to the application teams on prioritizing and fixing vulnerabilities found using popular Enterprise application testing tools, as well as, our own Bug Bounty program and pen testing activities. We provide "Best Practices" educational and training materials to the application teams on a variety of topics including: DevSecOps, application security, disaster recovery, business continuity, commonly seen threats and counter measures, etc.

**Position Duties:**

The position involves assisting Ford Credit application teams on a wide range of security functions like: helping the application teams become more "security aware", working with teams to help strengthen secure coding practices, identifying vulnerabilities through SAST, SCA, DAST and Bug Bounty testing, creating plans to remediate vulnerabilities found within the applications, creating on-going educational materials to help keep teams security-focused. Duties : - Interface with product teams to introduce and support "shift left" tools and concepts early in the Software Development Life Cycle (SDLC) - Track and manage application vulnerabilities found in tools like Checkmarx, FOSSA, 42Crunch, Bug Bounty - Work with the application teams to ensure vulnerabilities have remediation plans, help suggest priorities - Promoting security awareness by cascading information about security initiatives and communicating changes in security policy - Serve as liaison between Ford Credit and other Ford security teams - Work on the team SharePoint site to introduce new and useful content/ design to present to the Ford Credit application community

**Desired Skills:**

- General understanding of application & information security concepts and vulnerabilities - Willingness to learn about software scanning tools like Checkmarx, Fortify on Demand, SonarQube,



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etc - Desire to understand security risks and compensating controls - Desire to learn Ford corporate Information Security Policies (ISP) - Ability to work individually and investigate security solutions and share findings with the team - Problem solver mentality, logical and analytical - High degree of initiative, self-motivation and ability to work autonomously

**Required Skills:**

- Application Security and/or Information Security Compliance experience or education - Willingness to gain new skills in Application Security - Process improvement mentality

**Work Pattern Details:**

The average work hours for team are 8am - 5:00pm EST time. However, earlier schedules (example 7am - 4:00pm EST) or later scheduled (like 9am - 6:00pm EST) will work as well. Assuming 1hr lunch.

**Additional Info:**

- This is a good opportunity to work in a diverse security team that will expose the candidate to a wide range of application security (DEVSECOPS) opportunities - Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience - We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed - Any FCG who is considering this position is encouraged to meet with the posting Supervisor to ensure that this position aligns with the FCG's career development objectives - FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG





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**Rotation ID:** 3,271

**Job Title:** Manufacturing IIoT Software Engineer

**Supervisor:** Michael Ives

**Supervisor Email:** mives6@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Manufacturing IIoT

**Department Description:**

Manufacturing Industrial Internet of Things (IIoT) designs, develops, and deploys applications targeted at Manufacturing facilities, supporting the most crucial operational tasks throughout our Ford plants. Using a modern web development stack, we aim to deliver new capabilities and functionalities to digitalize existing processes, and create brand new tools with access to data sources beyond the applications of the past.

**Position Duties:**

As a Software Engineer in Manufacturing IIoT, you will be doing the following: -Contributing to Manufacturing IIoT Products on a regular basis via feature development as a full stack developer - Designing and suggesting improvements to existing functionality -Researching and implementing improvements to our Software Development practices -Participating in Agile ceremonies and contributing to discussions around our products -Interfacing with our customers and end users as needed to troubleshoot issues, seek feedback, or better understand requirements

**Desired Skills:**

-Experience with Java Springboot -Experience with MongoDB -Experience with Angular -Comfortable with learning Jenkins, Github, and other CI/CD tooling -Comfortable with learning Junit Testing Framework, SonarQube, and other testing tooling -Comfortable with learning GCP technologies

**Required Skills:**

-Some Software development background, ideally web development or backend Java Springboot - Good verbal/written communication skills to work collaboratively within a development team -A love for learning new products, customers, and skills!

**Work Pattern Details:**

Team is typically remote, but we often visit Manufacturing facilities to see our applications in action, work with users, and understand the requirements. The cadence for this is on a case-by-case basis.



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**Additional Info:**

This position is a great opportunity to work with a team that is using extremely modern web development patterns and technologies. We exist in a space where new applications and capabilities are being worked on all the time, and have the ability to adapt how and what we work on to best achieve our goals. Currently, our tech stack includes MongoDB, Java Springboot, and Angular for the frontend, all of which is deployed on Google Cloud Portal.



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**Rotation ID:** 1,735

**Job Title:** MultiCloud API Engineer

**Supervisor:** Michael Janeczko

**Supervisor Email:** mjaneczko@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Operations

**Job Family:** ITS DevOps and Full Stack Engineering

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** NA COMP OPRNS MGR

**Department Description:**

The multi-cloud API engineering department is a department in IT Operations cloud engineering meant to do the following: • Drive the API multi-cloud strategy for the enterprise - IT Operations (ITO), Product Development Organizations (PDO), Enterprise Connectivity (EC), Connected Vehicle, Electric Vehicle (EV), Ford Credit, etc. • Work with Vendors to define the strategic architecture and features for the Enterprise API Gateway • Engineer the API Gateway (Apigee) to work on multiple clouds - on-prem, GCP, Azure, etc. - in an N-1 capacity • Develop the Site Reliability Engineering (SRE) Model to support the API Gateway • Drive a self-service model by automating every aspect of our customers experience; also driving automation in everything required to support the API gateway. As Ford continues to transition to an API driven organization, it will become increasingly important to develop API skills and aptitude. FCGs in this department will get exposure to not only writing code using APIs, but also helping to define the multi-cloud API strategy for Ford. There will be direct experience interacting across the various organizations within Ford - Enterprise Connectivity, IT Operations, PDOs, Ford Credit, etc. - giving valuable experience and insights for your future rotations and/or post-FCG career; you will get excellent networking opportunities as part of your job!

**Position Duties:**

Assist in driving the Enterprise API multi-cloud strategy, architecture and engineering. Assist in engineering the API multi-cloud solution on at least the following clouds - GCP, and Azure. Technologies involved: Google Apigee, Microsoft APIM, Cloud Run, Kubernetes (CaaS - Containers as a Service, Azure Kubernetes, Pivotal Kubernetes), Develop (code) automation for managing and supporting the API Gateway. Environments and languages: GCP, PCF, Terraform, OpenShift/GKE, Go, node.js, GitHub, Tekton, Mongo DB, Webex Teams BOTs. Participate in the ITO API community forum and Webex Teams spaces as an API expert.

**Desired Skills:**



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Understanding of Cloud Run, Kubernetes/Red Hat OpenShift/Containers As A Service (CaaS), or Pivotal Cloud Foundry (PCF) Continuous Integration / Continuous Deployment (CI/CD) pipelines  
Linux Scripting and System Administration skills

**Required Skills:**

Strong Coding Skills in at least one modern language - Java, JavaScript, Node.JS, Go Language  
Strong Analytical and Problem-Solving skills Understanding of Agile Methodologies and Tools - Rally, Jira, Extreme Programming, etc.

**Work Pattern Details:**

Fully remote but expected to be available for meetings/ceremonies/mob sessions/etc. during Dearborn time.

**Additional Info:**

This position will provide technical and soft-skill development that you will need in your career. You will have opportunities to work with senior management, technical specialists, and some of the most talented technical people in Ford IT. The team is motivated and likes to have fun in getting the job done. There are ample opportunities to socialize within our team and beyond. The technical and soft skills you polish in this rotation will pay dividends for years.



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**Rotation ID: 3,448**

**Job Title:** ET PDO Software Engineer

**Supervisor:** Matthew Jeska

**Supervisor Email:** mjeska@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Product Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Program, Cycle Plan & Resource Management

**Department Description:**

Program, Cycle Plan & Resource Management (PCPRM) is responsible for the IT products that enable Cycle Planning, Resource Management, GPDS, and Portfolio & Program Management for Ford's entire global vehicle program delivery. PCPRM is part of the ITS PDO (Product Driven Organization). The teams are managing a product which includes not only creating & managing the current Ford IT tools, but the team also need to understand the business needs now and in the future, and what other tools are available in the industry The IT tools in this space are predominantly COTS (Off the Shelf/Purchased Vendor Products), where upon the PDO team is responsible for configuring the product to best suit Ford's Production Development (PD) business teams.

**Position Duties:**

- Learn the GPDS cycle (Ford's single globally common Product Creation System for delivering World Class vehicle programs)
- Learn the IT vendor product supporting this space (Planisware PPM software)
- Compare the business cycle to the tool flow and identify improvement which will help set a new bar of excellence.
- Work with Ford IT out of Dearborn and India, work with vendor consultants around the U.S., and work with Ford Product Development (PD) business partners daily.
- The products in this space are used by nearly 20,000 Ford employees that are directly responsible for delivering the entire Ford vehicle line-up (including Pro, Blue, and Model-e). These products, especially the "coming soon" latest upgrade, will be game changers in allowing Ford's delivery of operational excellence which is putting this product group in the spotlight with expectations of setting a new bar

**Desired Skills:**

- Good communication skills - Good research skills - Ability to innovate, think outside the box and break thru norms - Knowledge of Agile methodologies with deep understanding of timeboxing - Good understanding of vendor cloud-based capabilities. - Working level knowledge with JavaScript -



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Good programming working skills in .Net - Programming skills in Selenium (for developing automated testing scripts) - Great team player and should be able to move between products seamlessly as a software engineer - Should have automotive business knowledge

**Required Skills:**

- Good communication skills - Ability to innovate and think outside the box - Knowledge of Agile methodologies - Working level knowledge with JavaScript - Training in object-oriented programming - Great team player and should be able to move between products seamlessly as a software engineer

**Work Pattern Details:**

• Predominantly work from home • 2-week SAFe Agile sprints with daily stand-ups and other required ceremonies • In-office for team building events a couple times a year

**Additional Info:**



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**Rotation ID:** 3,205**Job Title:** Cyber Security Threat Assessment FCG**Supervisor:** Mackenzie Martinez**Supervisor Email:** mmart795@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** Office of the Chief Enterprise Technology Officer**Job Family:** ITS Cyber Security**Location:** Commerce Park North II**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** Monthly**High Tech, High Demand (HTHD) Position?** Yes**Department:** POLICY & STRATEGY**Department Description:**

Ford's IT organization is broadening its focus within the area of Embedded Cyber Security in the automotive environment. We are both researching and reviewing new enterprise-wide features and technologies, as well as providing frameworks, processes and tools to help the research. Technology is advancing, connection mechanisms are growing, and consumers and hackers are becoming more sophisticated. With increasing networking between modules and access points into the vehicle it has increased thereby opening up new potential vulnerabilities. Automobiles are no longer mere mechanical devices but are controlled by dozens of digital computers coordinated by internal networks. While all this technology has allowed for better personalized experiences, seamless integration into a person's lifestyle, differential services, predictive diagnostics and safer driving conditions, the increase in complexity drives the need for advanced security and data solutions. We are expanding the role of advanced embedded computing platforms, coupled with cloud-based services, to deliver applications which will redefine the experience of owning, maintaining, driving and interacting with Ford Motor Company vehicles. Security needs to be built into each of these growing technologies

**Position Duties:**

Support the Ford cyber security threat model process by: - Becoming a subject matter expert in threat model tool administration, and support requests from users - Performing research into emerging vehicle, IoT, and cloud technologies to expand the Ford threat library used for risk assessments - Ensuring security assessments follow SAE, ISO, NIST, and regulatory standards - Ensuring cyber security assessments are auditable and traceable across technologies, vehicle programs and product releases - Improving security toolset usage with process updates and automation

**Desired Skills:**

General cyber security knowledge. Experience with enterprise tool administration. Technical writing/



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communication skills. Scripting and API client development experience.

**Required Skills:**

**Work Pattern Details:**

Mostly remote. Ad hoc in-office workshop sessions, with remote option. Optional, in-person team-building sessions.

**Additional Info:**





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**Rotation ID:** 3,237

**Job Title:** Ford Chatbot Developer

**Supervisor:** Mary Beth Richards

**Supervisor Email:** mricha25@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Artificial Intelligence and Machine Learning

**Location:** Advanced Engineering Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Employee Experience

**Department Description:**

IT Operations (ITO) is responsible for the engineering, implementation, and support of IT infrastructure solutions within Ford. The Employee Experience team is a Delivery Services organization tasked to make IT Help easily accessible for everyone. Our mission is to pioneer integrated tech experiences that are deeply empathetic and customer obsessed.

**Position Duties:**

Ever wonder how Siri, Alexa and the Google Assistant work? Interested in Artificial Intelligence and cognitive technology? If so, then the IT Service Management (ITSM) Strategy and Tooling team has a golden opportunity for you! Help us make our Ford enterprise Chatbot "Blu" even smarter! Blu is part of our IT Connect ticketing system, and leverages Narrow Artificial Intelligence and is powered by IBM Watson. We have 130,000+ customers using our ticketing system, with thousands of contacts to our service desk agents every month. Our goal is to offer a great customer experience with Blu, engaging with our users, answering common questions and pointing them to resources and self-help.

Our chatbot deflects IT Service Desk phone calls and live agent chats, resulting in dramatic cost savings for Ford. Day-to-day tasks include: · Providing consultations for Blu chatbot customers to gather their requirements. · Developing dialog flows in IBM Watson. · Performing routine testing to ensure quality chatbot development. · Demoing chatbot updates at the conclusion of each Sprint. · Analyzing chatbot data to identify opportunities for new Blu dialogs.

**Desired Skills:**

If you happen to have experience in any of these areas, it will be "nice to have" ... \* Artificial Intelligence, Natural Language Processing, Machine Learning \* IBM Watson, Wit.ai, Microsoft Azure Bot Service \* Alteryx (for Chatbot metrics) \* Python, PHP, Java, Ruby

**Required Skills:**

No coding experience is necessary - we will teach you on the job! The qualities we are looking for in



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a FCG are: \* Great Communication Skills (after all, that's what a Chatbot does!) \* Quick Learner \* Self-Motivated \* Team Player \* Light Technical Background \* Time Management Skills \* Basic Excel Experience

**Work Pattern Details:**

Monthly on-sites for immediate team, additional on-sites with department throughout the year - averaging 2-3 times per month. Will also support fully remote FCG if they are outside the SE Michigan area.

**Additional Info:**

Sound interesting? If you take on this role, you will have also have the opportunity to engage with several different teams across IT. Our projects are high visibility, key strategic initiatives within IT Operations. We impact thousands of Ford employees globally! As an added bonus, you'll have a chance to work with a fun and vibrant team.



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**Rotation ID:** 1,729

**Job Title:** Web / Mobile Software Engineer

**Supervisor:** Matthew Smith

**Supervisor Email:** msmi1023@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Enterprise Architecture

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** EA - Dev Tools & Enablement - Web & Mobile Enablement

**Department Description:**

The Web and Mobile Enablement (WaME) team, as a part of the Dev Tools & Enablement organization, aspires to deliver a curated set of world-class, internal development ecosystems that accelerate a software development team's ability to deliver value to their customers. We provide the easy path, through fully integrated, stable, easily consumed development platform ecosystems that integrate with Runtime Platforms. The WaME team enables PDOs to create web and native mobile applications that interface with Ford APIs. The team establishes and manages guidelines, frameworks and reference apps to aid development teams in their efforts. The team also provides coaching and consulting to product teams, enabling them to effectively deliver on their requirements using recommended technologies and approaches.

**Position Duties:**

This position can be focused on web, native mobile, or a mix, depending upon both the FCG's interests and the team's current workload. Our tech stacks include: Web - Angular-based Ford Responsive Framework (FRF) - Incorporates Progressive Web App (PWA) standards - Includes TDD tools and principles for developing client-based web applications - CI/CD pipeline integrations via Tekton Pipelines as Code (PaC) are leveraged for deployments into Google Cloud Platform (GCP) Native Mobile - Android (Java/Kotlin) and iOS (Swift) - Stacks are based on Google's and Apple's recommendations (respectively) - Incorporates recommended patterns for UI design, login/SSO, data management and more - Includes TDD tools and principles to drive development Duties include: - Development efforts on above mentioned tech stacks and supporting materials/guides/patterns - Ensuring enterprise frameworks align with Ford and industry standards, patterns, and best practices. Research and PoC work on new technologies and approaches is commonly leveraged to explore emerging patterns - Monitoring and contributing to community discussions and blog comments. Collaborating and sharing with others, both in our department and within other PDOs - Participating in



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planning, strategy, and team retro activities

**Desired Skills:**

Passion for Web and/or Mobile interface development and design

**Required Skills:**

Interest in Web and/or Mobile interface development and design

**Work Pattern Details:**

We follow a hybrid pattern, with planned monthly on-site team sessions and quarterly on-site department planning sessions. Most of the team is located in SE MI, but a few members are in India, and we collaborate often with folks all over the globe, so remote work norms are something we're used to within the team.

**Additional Info:**

The WaME team works closely with other enablement groups within the IT organization. DesignOps Enablement & Tools, Cloud Native Enablement, CaaS Enablement, Quality Enablement, Planning Tools and Dev Tools are all peer teams within our organization. We also collaborate with Platform Enablement & Central station, as well as Cloud Portal and ITO service offering teams, so as a member of the Web and Mobile team you will gain exposure to these groups as well. For more information, contact Matt Smith ([msemi1023@ford.com](mailto:msemi1023@ford.com)) and/or one of the previous FCGs who have had this rotation.



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**Rotation ID:** 3,390

**Job Title:** Product Designer

**Supervisor:** Michelle Wentland

**Supervisor Email:** mwentlan@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Product Design and UX Design

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** GDI&A - Connected Vehicles & Enterprise Analytics and Enablement

**Department Description:**

Ford Motor Company's Global Data Insights & Analytics (GDI&A) department crafts innovative services to prepare smart vehicles for a smart world. Here in the data science division, we apply user experience principles to ensure our methods serve our end users. You will be assigned to a product portfolio and may rotate between products to gain a breadth of Product Design experience while being supported by an experienced Product Designer. You will receive top industry training that can be applied immediately to your work on the job. You will develop a Human-Centered Design thinking mindset, user research skills, and business strategy to help align teams around a human-centric roadmap. At the end of your rotation, you will have real work experience and a well-rounded Product Designer Skillset.

**Position Duties:**

- Represent the user's perspective throughout the product lifecycle through discovery, ideation, and validation
- Balance user needs, business objectives and technical feasibility to solve problems effectively
- Conduct usability studies, qualitative research, quantitative research and generative user research such as contextual inquiry, ethnography, field research, user interviews, and stakeholder interviews
- Facilitate and support design thinking sessions/workshops with various technical and non-technical stakeholders
- Transform user research into assets such as affinity walls, journey maps, empathy maps, storyboards, personas, etc.
- Share your research strategy and insights with stakeholders (un)familiar with the UX discipline
- Work collaboratively with product owners, product managers, software developers and fellow designers
- Create low- and/or high-fidelity designs, from wireframes to mockups to interactive prototypes by applying user experience best practices and principles
- Review quality of solution throughout the product development process

**Desired Skills:**

- Ability to see things holistically to suggest/design the best suitable solution and bring clarity out of



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an ambiguous environment • Ability to balance design by weighing user's needs (Desirability) with business requirements (Viability) and technological possibilities (Feasibility) • Creative problem-solving skills and the ability to think critically about design decisions • Ability to work in a fast-paced environment, prioritize tasks and meet deadlines • Experience with visual design tools/ platforms (Figma, Sketch, Miro, etc.) • Experience in conducting user research (interviews, user flows, observations etc.) • Familiarity with back-end development, e.g., Python, etc. • Negotiation skills • Storytelling skills

**Required Skills:**

• Empathy: curious about how other people work, live, and think, you will enjoy meeting the users of our products and stakeholders • Understanding of design principles and best practices • Proficiency in UX/UI design tools and software • Ability to see things holistically to suggest/design the best suitable solution and bring clarity out of an ambiguous environment • An innovative mindset and a passion for creating exceptional user experiences • Problem-solving and skills and the ability to adapt to evolving design challenges • Excellent communication, presentation and content creation skills • Familiarity with design systems and design thinking methodologies • Familiarity with front-end development, e.g. Java, HTML, etc. • Attention to detail and willingness to ask questions and work independently and as part of a team • Passion for growing your skills, tackling challenging problems, and sharing your learning with others

**Work Pattern Details:**

• Typical work hours are between 8:00am – 5:00pm ET, but could vary depending on business need, Product Team availability and other scheduled events. • This is a hybrid position with in-office days typically once a week on Thursdays – at Wagner Place West every other Thursday and a different Ford collaboration site (typically Rotunda Center) the other Thursday. In-office days could vary depending on business need, Product Team availability and other scheduled events. • GDI&A has 35+ Product Designers who work in 11 Product Groups. • We hold monthly Product Designer meetings, Lunch & Learns, and Design Slams. • We promote a healthy work-life balance and encourage blocking off time for lunch, taking time for personal development and observe Power-Up Time (dedicated time for individual learning and projects) every Friday afternoon.

**Additional Info:**



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**Rotation ID:** 3,431

**Job Title:** Service Automation Engineer

**Supervisor:** Ming Yao

**Supervisor Email:** myao@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Operations

**Job Family:** IT Operations

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Cloud engineering

**Department Description:**

Cloud Hosting is an IT Supporting Service that provides application owners and developers with a secure and resilient environment to host applications. This service offers cloud hosting options with rapid on-demand provisioning of platforms, automated builds, application deployments and secrets management. The infrastructure is hosted in public clouds as well as Ford's private cloud. The mission of the Cloud Business Office is to enable best in class Cloud Service offerings. The organization is responsible for standardizing processes and procedures for all services to follow. Additional roles and responsibilities include service maturity and readiness monitoring, BPR portfolio tracking, and Cloud portfolio spending reviews. Today's cloud technology is more dynamic and fast moving than ever before. Understanding technology strengths, cost implications, and global presence are critical factors in determining a multi cloud strategy. Our team is looking for a multi-cloud business office planner. The position will focus on reducing the complexity and noise associated with a multi cloud environment and drive toward a consolidated view that highlights gaps in the service and drives data driven business decisions. DataPower gateway and APIM shared service team provides Ford enterprise messaging security, interoperability and routing services for public and private cloud hosted APIs and web services. 180+ critical business apps including Fordpass, GOTD, OWS DataPower team also support Elastic services, Azure APIM and GCP CDN.

**Position Duties:**

- Develop DataPower and Elastic self-service capabilities to enable customers to perform administrative tasks such as routing table and authorization changes.
- Engage DataPower developer/support engineers and customers to understand support processes and optimize/automate these processes
- Develop DataPower and Elastic service monitors to provide service matrix
- Develop event correlation and alerts, and integrate with other systems (VictorOps, Webex Team, email etc).
- POC Elastic machine learning and generative AI search use cases.
- Monitor/support



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DataPower services

**Desired Skills:**

• Programming and scripting experience • A passion for IT and Exposure to new technologies • Good written and oral communication skills • Ability to prioritize and lead multiple concurrent work streams

**Required Skills:**

• Strong desire to learn and make a difference • Familiarity with security concepts (AAA, PKI etc) • Familiarity with IT processes such as incident management, event correlation etc. • Analytical skills to solve problem using critical thinking • Some understanding of API, Web services, various http codes

**Work Pattern Details:**

Work from Home during regular work days. In office on every other Wednesday for iteration planning and demo

**Additional Info:**

Learning Opportunities: • DataPower, APIM and API management technologies • Site Reliability Engineering (SRE) • Elastic search





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**Rotation ID:** 3,465

**Job Title:** BEV Flexible Lease App Development

**Supervisor:** Michelle Zhang

**Supervisor Email:** mzhang3@ford.com

**Positions Available:** 4

**Position Type:** Technical

**IT Organization:** Ford Next

**Job Family:** ITS Software Engineering

**Location:** The Factory

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Ford Drive Software Operations

**Department Description:**

Ford Drive is a part of the newly established Ford Integrated Services under Peter Stern. We offer flexible lease of battery electric vehicles to customers in select US and Europe markets. We have a multi-cloud, multi-tech stack software platform that includes both customer facing web and mobile apps as well as internal operator facing solutions. We will match software engineer to one of our product teams based on the needs of the program and the interests of the FCG. We intend to empower FCGs to rotate between product teams during their time to maximize their exposure to multiple tech stacks and business domains. As an FCG on our team, you will have the opportunity to work alongside other talented and motivated individuals who are passionate about creating innovative software solutions.

**Position Duties:**

Collaborate with other team members to design and develop software solutions that meet the needs of our clients Write code in a variety of programming languages with a high degree of software craftsmanship Debug and troubleshoot any issues that arise during the development process Product support on a rotation basis

**Desired Skills:**

Comfortable using Git, GCP, and Tekton Experience with Java ,Kotlin, JavaScript/Typescript (ideally React; NextJS) Familiarity with cloud application platforms and cloud infrastructure Capacity to cope with and work with ambiguity

**Required Skills:**

Experience with JIRA backlogs, iterations, user stories, or similar Agile tools Experience working with cross-functional teams including product managers, UI/UX designers and business partners

**Work Pattern Details:**

We have both hybrid and fully remote positions. The Engineering teams typically conduct in-person



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working sessions 1-2 days per quarter with the option for remote team members to dial in. All team members are encouraged (but not required) to come to office 2 days a week on Wednesdays and Thursdays when the SE Michigan based cross-functional teams are also in office.

**Additional Info:**

As an integral part of our team, you will have the opportunity to work on cutting-edge projects that challenge your skills and push you to grow as a software engineer. Our team members are dedicated to helping each other succeed, and you will have access to mentorship and support from experienced professionals who are committed to helping you achieve your career goals.



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**Rotation ID:** 3,386

**Job Title:** Software Engineer

**Supervisor:** Nizar Bhalwani

**Supervisor Email:** nbhalwan@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Receivables

**Department Description:**

Document Domain is part of the Customer, Financial Accounts & Document department. The department provides services to the Ford Credit Customer to manage their Profile, Accounts, & documents. The Document Domain is on an exciting journey to modernize its applications. The applications will be migrating from PCF to Google Cloud. This is a great opportunity to develop a cloud native skillset leveraging the new technology stack from Google Cloud - Pub Sub, Cloud Run, SRE pipelines, Google Cloud Storage, Containerization and more.

**Position Duties:**

- Design, develop, and build end-to-end solutions for Ford's Document Domain.
  - Utilize analytical skills to meet reliability, scalability, and security requirements
  - Develop prototypes to validate interactions and prove product designs
  - Collaborate with product owners, product managers, and other developers on the team
  - Engage in technical design reviews, code reviews, and product demos
- This position offers the opportunity to learn Domain Driven Design, Event Sourcing & CQRS.

**Desired Skills:**

Google Cloud Platform

**Required Skills:**

Java SpringBoot, API development, PCF, JavaScript, Angular

**Work Pattern Details:**

In office for team events /Collaboration. Mostly remote.

**Additional Info:**

Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is

# Fall 2023 - ET FCG Rotation List

October, 2023



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encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID:** 3,052

**Job Title:** Cybersecurity Ecosystem Engineer

**Supervisor:** Narayanan Mahesh

**Supervisor Email:** nmahesh8@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Commerce Park North II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** POLICY & STRATEGY

**Department Description:**

The department is responsible for the improvement and management of the overall cybersecurity posture of the Connected Vehicle (CV) ecosystems in both retail, commercial and Ford Next space. The connected vehicle ecosystem consists of multiple channels include mobile apps, web apps and cloud applications. These applications directly and indirectly control the vehicle by issuing commands & control, updating vehicle configuration settings and enhancing the customer experience. The subject matter experts within the team use cutting edge tools and techniques to architect and develop security solution and identify and mitigate gaps in security with CV applications.

**Position Duties:**

The selected candidate will work with other subject matter experts to: - Identify and assess the problem, stakeholders, and security posture of the domain - Domains include identity and access management, application security, mobile security, infrastructure security - Use the NIST based risk matrix to classify and prioritize risks - Use Threat Modeling tool and process to identify and mitigate gaps in the security controls - Develop and guides using industry standards for the security posture - Develop verification and validation scripts to ensure acceptance of mitigations - Develop SOW and work with pen testers to identify vulnerabilities in the ecosystem - Develop technical specifications - Develop technical presentations and present to a large audience

**Desired Skills:**

- Ability to view a problem through multiple angles - Ability to review and write technical requirements, architecture, sequence diagrams, RFCs, industry standards - Ability to synthesize complex requirements into one cohesive technical viewpoint - Ability to analyze data and present the insights - Previous working knowledge of Google Cloud applications - Previous experience with Java, Springboot, Swift, Kotlin, Python, Objective C - Excellent verbal and written communication skills - Cybersecurity certification a plus



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**Required Skills:**

- Bachelors in computer science or cybersecurity

**Work Pattern Details:**

Work can be done fully remote. Attend daily standup and provide updates. Work collaboratively with other team members and stakeholders.

**Additional Info:**



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**Rotation ID:** 3,401

**Job Title:** Full Stack Developer

**Supervisor:** Nikhil Mulik

**Supervisor Email:** nmulik@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Operations Analytics

**Department Description:**

Operations Analytics (OA) is a product group that develops on-premises and cloud analytic solutions. This Software Engineer position is ideal for the technically oriented individual who has experience designing, building, deploying, and supporting cloud applications and is interested in working with a portfolio of strategic analytic solutions. In this role, you will collaborate with multiple organizations (Business Customers, Product Owners, Data Tech, IT) to convert business goals into analytic solutions. This role will work in small, cross-functional teams and embrace lean and agile practices, software best practices, software quality scanning, automated testing, and CI/CD.

**Position Duties:**

The Software Engineer will work on a Balanced Product Team and collaborate with the Product Manager, Product Designer, and other Software Engineers to deliver analytic solutions. The Software Engineer will be responsible for the development and ongoing support/maintenance of the analytic solutions. • **Product And Requirements Management:** Participate in and/or lead the development of requirements, features, user stories, use cases, and test cases. Participate in stand-up operations meetings. • **Author:** Process and Design Documents • **Design/Develop/Test/Deploy:** Work with the Business Customer, Product Owner, Architects, Product Designer, Software Engineers, and Security Controls Champion on solution design, development, and deployment. • **Operations:** Generate Metrics, Perform User Access Authorization, Perform Password Maintenance, and Build Deployment Pipelines. • **Incident, Problem, And Change/Service Requests:** Participate and/or lead incident, problem, change and service request-related activities. Includes root cause analysis (RCA). Includes proactive problem management/defect prevention activities.

**Desired Skills:**

• Highly effective in working with other technical experts, Product Managers, UI/UX Designers and business stakeholders • Delivered products that include web front-end development; JavaScript,



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CSS, frameworks like Angular, etc. • Comfortable with Continuous Integration/Continuous Delivery tools and pipelines e.g. Tekton, Terraform Jenkins, Cloud Build, etc. • Experience with machine learning, mathematical modeling, and data analysis is a plus • Experience with CA Agile Central (Rally), backlogs, iterations, user stories, or similar Agile Tools • Experience in the development of microservices • Understanding of fundamental data modeling • Strong analytical and problem-solving skills

## **Required Skills:**

• Bachelor's degree in computer science, computer engineering or a combination of education and equivalent experience. • Experience with developing for and deploying to cloud platforms (e.g. GCP, PCF, Azure) • Experience in development in at least some from each following categories: o Languages: Java / Kotlin / JS / TS / Python / Other o Frontend frameworks: Angular / React / Vue / Other o Backend frameworks: Spring / Node / Other • Proven experience understanding, practicing, and advocating for software engineering disciplines from eXtreme Programming (XP), Clean Code, Software Artisanhip, and Lean including: o Paired / Mob / Ensemble programming o Test-first/Test Driven Development (TDD) o Evolutionary design o Minimum Viable Product • Willingness to collaborate daily with team members. • A strong curiosity around how to best use technology to amaze and delight our customers

## **Work Pattern Details:**

The team adheres to an Agile development methodology that involves two-week iterations. On Thursdays, all team members are expected to be physically present in the office to collaborate. Each developer is expected to work on UI, backend, and DevOps stories as they arise. The team begins each day with a stand-up meeting and follows standard Agile practices such as IPM, Retrospective, and Sprint grooming. Team members are encouraged to collaborate with other teams and improve their skills.

## **Additional Info:**





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**Rotation ID:** 3,410**Job Title:** Full Stack Developer**Supervisor:** Nikhil Mulik**Supervisor Email:** nmulik@ford.com**Positions Available:** 1**Position Type:** Very Technical**IT Organization:** Global Data Insights & Analytics (GDIA)**Job Family:** ITS Software Engineering**Location:** Wagner Place West**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** 1-2 days per week**High Tech, High Demand (HTHD) Position?** Yes**Department:** Operations Analytics**Department Description:**

Operations Analytics (OA) is a product group that develops on-premises and cloud analytic solutions. This Software Engineer position is ideal for the technically oriented individual who has experience designing, building, deploying, and supporting cloud applications and is interested in working with a portfolio of strategic analytic solutions. In this role, you will collaborate with multiple organizations (Business Customers, Product Owners, Data Tech, IT) to convert business goals into analytic solutions. This role will work in small, cross-functional teams and embrace lean and agile practices, software best practices, software quality scanning, automated testing, and CI/CD.

**Position Duties:**

The Software Engineer will work on a Balanced Product Team and collaborate with the Product Manager, Product Designer, and other Software Engineers to deliver analytic solutions. The Software Engineer will be responsible for the development and ongoing support/maintenance of the analytic solutions.

- **Product And Requirements Management:** Participate in and/or lead the development of requirements, features, user stories, use cases, and test cases. Participate in stand-up operations meetings.
- **Author:** Process and Design Documents
- **Design/Develop/Test/Deploy:** Work with the Business Customer, Product Owner, Architects, Product Designer, Software Engineers, and Security Controls Champion on solution design, development, and deployment.
- **Operations:** Generate Metrics, Perform User Access Authorization, Perform Password Maintenance, and Build Deployment Pipelines.
- **Incident, Problem, And Change/Service Requests:** Participate and/or lead incident, problem, change and service request-related activities. Includes root cause analysis (RCA). Includes proactive problem management/defect prevention activities.

**Desired Skills:**

Highly effective in working with other technical experts, Product Managers, UI/UX Designers and business stakeholders

- Delivered products that include web front-end development; JavaScript,



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CSS, frameworks like Angular, etc. • Comfortable with Continuous Integration/Continuous Delivery tools and pipelines e.g. Tekton, Terraform Jenkins, Cloud Build, etc. • Experience with machine learning, mathematical modeling, and data analysis is a plus • Experience with CA Agile Central (Rally), backlogs, iterations, user stories, or similar Agile Tools • Experience in the development of microservices • Understanding of fundamental data modeling • Strong analytical and problem-solving skills

## **Required Skills:**

Bachelor's degree in computer science, computer engineering or a combination of education and equivalent experience. • Experience with developing for and deploying to cloud platforms (e.g. GCP, PCF, Azure) • Experience in development in at least some from each following categories: o Languages: Java / Kotlin / JS / TS / Python / Other o Frontend frameworks: Angular / React / Vue / Other o Backend frameworks: Spring / Node / Other • Proven experience understanding, practicing, and advocating for software engineering disciplines from eXtreme Programming (XP), Clean Code, Software Artisanhip, and Lean including: o Paired / Mob / Ensemble programming o Test-first/Test Driven Development (TDD) o Evolutionary design o Minimum Viable Product • Willingness to collaborate daily with team members. • A strong curiosity around how to best use technology to amaze and delight our customers

## **Work Pattern Details:**

The team adheres to an Agile development methodology that involves two-week iterations. On Thursdays, all team members are expected to be physically present in the office to collaborate. Each developer is expected to work on UI, backend, and DevOps stories as they arise. The team begins each day with a stand-up meeting and follows standard Agile practices such as IPM, Retrospective, and Sprint grooming. Team members are encouraged to collaborate with other teams and improve their skills.

## **Additional Info:**



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**Rotation ID: 2,843**

**Job Title:** Google (GCP) Data Factory Software Engineer

**Supervisor:** Nabeel Shamsi

**Supervisor Email:** nshamsi1@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Software Engineering

**Location:** Greenfield Court 1 \ ISA (Integrated System Analyst)

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** MPP - CENTRAL

**Department Description:**

Within the Global Data Insight and Analytics (GDIA) Data Factory, a great opportunity awaits you as a team responsible for supporting some of Ford's most visible initiatives. The role of the Software Engineer is a critical enabler to the development of platforms and tools to support Customer, Connected Vehicle and Mobility data. The engineer will ensure that data standards, information interoperability, data quality, and data availability fully support the goals of GDIA and the enterprise. Join us and challenge your Software Engineering expertise and analytical skills to help create a smart future.

**Position Duties:**

- Design and develop applications within the Google Cloud Platform (GCP) infrastructure. - Implement new and innovative approaches to security to meet complex new security requirements. - Participate in proofs of concept and support integration of new tools and processes. - Gain experience with Big Data and emerging development tools such as: Big Query, Terraform, Cloud Run, Pub/Sub - Opportunity to learn Data Engineering and Google Cloud technologies.

**Desired Skills:**

- Prior experience and interest in the following areas is preferred: - Java development - Object oriented design patterns - Linux application development - SQL and database design

**Required Skills:**

- Excellent communication skills • Desire to learn and share leanings • Strong troubleshooting skills • Ability to multi-task .

**Work Pattern Details:**

1day /week in office

**Additional Info:**



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**Rotation ID:** 3,457**Job Title:** Software Engineer**Supervisor:** Nirmala Varanasi**Supervisor Email:** nvaranas@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** Enterprise Resource Planning (iERP)**Job Family:** IT Application Management**Location:** Wagner Place West**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** No**Frequency of In Person Collaboration:** Bi-weekly**High Tech, High Demand (HTHD) Position?** No**Department:** IERP**Department Description:**

Integrated Enterprise Resource Planning (I-ERP) is the Ford initiative designed to drive operational efficiency and material cost reduction by adopting industry leading practices, enabling real-time insights and faster decision making. I-ERP involves end-to-end change for financial and procurement processes, with SAP as the technology facilitating the changes. This role supports the I-ERP PTR Corporate Finance and purchasing Teams The I-ERP Program is seeking a Software Engineer that will participate in all aspects of the software development life cycle which includes estimating, technical design, implementation, documentation, testing, deployment, and support of application developed for the I-ERP Program. The resource will also function as an Anchor adding critical value to the entire organization. The role will enable the program to source the highest quality parts and services from around the globe while ensuring optimal cost and on-time delivery.

**Position Duties:**

-Develop reports using Workiva reporting tool (Training provided on job) - Write SQL scripts to support reporting - Develop and manage APIs using APIGEE (GCP) platform - Participate in the transformation of the Finance and Purchasing teams to a Product Driven Organization using Agile best practices. - Assist with the functional integration of strategic initiatives across components of the SAP solution. - Work hands-on with the development team to prioritize, plan, and deliver software that meets user requirements. - Support testing integration using S4 platform

**Desired Skills:**

Knowledge / experience in Test Driven Development (TDD) and Paired Programming Knowledge / experience around debugging, problem solving and investigative skills. Ability to assimilate disparate information (log files, error messages etc.) and pursue leads to find root cause problems. Knowledge / experience with API development and management Knowledge of GCP Knowledge with SAP S4 platform Strong communication skills. Knowledge / experience with Agile/Scrum methodology. Self-



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starter who can work independently.

**Required Skills:**

Desire to learn new technology and business acumen. Position requires writing SQL script.

**Work Pattern Details:**

2-4 times a month

**Additional Info:**



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**Rotation ID: 3,328**

**Job Title:** Systems Analyst

**Supervisor:** Ontario Robinson

**Supervisor Email:** orobin10@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** IT Site Management & End User Support

**Location:** Michigan Assembly Plant

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT

**Department Description:**

Michigan Assembly Plant is a 7M SQFT facility and the only plant that builds the Ford Bronco! MAP is responsible for building the Ford Ranger and the Ford Bronco vehicles. The IT department is a dynamic team of 12 individuals supporting all of the technology systems and infrastructure involved with making over 200k vehicles a year! Each analyst in the department has primary responsibility for a number of applications. In addition, the department has enough versatility to provide backup support for almost all of the applications/network in the facility. We work closely with the business on all-IT related items and you will have exposure to all levels at the plant from hourly individuals to operating committee members giving you a chance to further develop your soft skills. We will also work on project management skills. For the next year, we are looking to drive more data analytics and paperless/digitized solutions and are looking for an individual who is a self-starter, has a Be Curious mindset and the willingness to learn. You will also have the opportunity to attend a plant led weeklong Green Belt training course and have the opportunity to work with the business on an IT project that can further benefit the plant. Working in Manufacturing allows you the chance to see firsthand the impact we have to our bottom line! It is a fast-paced and fun environment and you will learn something new all the time. We hope we get the chance to have you on our team!

**Position Duties:**

Working closely with primary analysts to support plant floor systems throughout the plant. With the large amount of data coming in from the Plant Floor, it is important we manage the applications that collect and manage this data. As such, analysts will monitor and maintain several systems each, and support each other in these duties. Using collected analytics, Analysts will then make changes or recommendations based on observations and data trends. Analysts may also be called upon to complete risk and data analyses for applications. Analysts may be called upon to act as Project Manager for various projects. With the major launch of the new product this year it provides the



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unique opportunity to be involved in new model program launch life cycle. The analysts may also be involved in incident resolution regarding the various plant applications. It is a great place to gain familiarity with the products that we produce and gain an understanding for the manufacturing business and all of the people involved with getting these transmissions into the assembly Plants. This is a great experience that any employee should have.

**Desired Skills:**

Willingness to learn and take on new and creative projects. self- starter Basic programming a plus Experience with SharePoint a plus Versatile Positive Attitude Communication

**Required Skills:**

Good Communication Skills Critical Thinking Team Skills Problem Solving Analytical Skills

**Work Pattern Details:**

5x8 work schedule M-F

**Additional Info:**

Working in Manufacturing allows you the chance to see firsthand the impact we have to our bottom line! We are building the never built before 2024 Raptor Ranger! It is a fast-paced and fun environment, and you will learn something new all the time. We hope we get the chance to have you on our team!



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**Rotation ID:** 1,897

**Job Title:** Cloud Cyber Security Engineer

**Supervisor:** Pablo Freile

**Supervisor Email:** pfreile@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Cyber Security

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Cyber Security Services

**Department Description:**

Seeking an FCG with software development and tools knowledge to build and maintain new cloud products such as tooling and applications critical to the Cyber Security function within IT Operations. Specifically, we are looking for someone to work with the IT Operations Cyber team to build and maintain critical security tools that are used to protect Ford's most sensitive security systems. We are looking for someone who is open to and excited about contributing to this fast-paced effort in a rapidly changing environment. The Cyber Defense Essential Tools and Server Protection team is part of the Security Services organization and provides planning, engineering, and operational support for different technologies. This team plays a key role in aligning Cyber Defense response actions and contributes to the future of Cloud Security. This is an excellent opportunity, as we are preparing to embark on a transition of a number of our tools from on-prem to the cloud as SaaS solutions. We will create new processes, procedures, and standards in addition to modernizing Ford Motor Company's security portfolio.

**Position Duties:**

Cyber Security Engineer - Provide software engineering support for Ford's corporate Cyber Security Tools: • Design, build, deploy, integrate, and support cloud security infrastructure tools • Work with our Cyber team to build, maintain, and automate processes, critical tools, and programs • Design, test, and implement Intrusion prevention / detection and firewall policies for critical Enterprise Infrastructure • Use DevSecOps methodology to write code, improve the current toolset, and make suggestions to future tools • Work with vendors and other enterprise developers and architects to develop and maintain APIs with COTS and homegrown applications • Respond to Infrastructure and Cyber Security incidents • Achieve and maintain Global Cyber Incident detection and response capability • Work with various infrastructure and application support teams to provide technical direction and address security issues (Cyber Defense Automation Tools team, Enterprise





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Vulnerability, and the Red Team) • Implement and customize security scans for individual clients and servers • Work with product vendors to coordinate distribution of regular updates/patches • Test and implement vendor product upgrades • Develop and maintain support materials • Service tier 2/tier 3 ticket queues • Opportunities to automate different processes and develop security related software tools

**Desired Skills:**

• Exposure to software development work experience (Would consider less than five years of experience if the candidate has a demonstrated working knowledge of the subject matter.) • Exposure to working in GitHub, VScode, Rally or similar tools • Security subject knowledge • Production operations support and troubleshooting experience • Windows & UNIX/Linux (SLES, RHEL) operating system knowledge • Understanding of network topology and OSI model • Knowledge of software distribution methods • Experience with one or more of the following programming languages: Bash, PowerShell, JavaScript, Python • Understanding of the CISA Zero Trust Maturity Model and the NIST 800-53 Cybersecurity Framework • Interest in IT Cyber Security and Cloud Security

**Required Skills:**

• Working knowledge to PowerShell, Python, or other scripting languages • Working knowledge to engineering work experience • Fundamental understanding of working in a security-controlled environment • Motivated, self-starter with ability to manage time effectively • Strong written and verbal communication skills

**Work Pattern Details:**

Work can be done remotely. We like to get together and collaborate every couple of months as needed.

**Additional Info:**

This assignment provides an excellent opportunity to learn and support the corporate Cyber Security (CDC) tools, while gaining knowledge of Security Services, Engineering and Operations, Cyber Defense and other ITO areas, including: • Operations/End-user support • Broad knowledge of Ford IT infrastructure • Broad use/knowledge of ITO processes • Interaction with Site Mgt & Plant IT teams • Opportunity to interface with senior leadership levels • Opportunity to Operationalize Newly deployed CSC Tools



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**Rotation ID: 2,762**

**Job Title:** Software Engineer - Digital - Dealer Experience

**Supervisor:** Peter Hutchinson

**Supervisor Email:** phutchi8@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Consumer and Dealer Experience IT

**Department Description:**

The Consumer & Dealer Experience organisation is responsible for Ford Credit's external facing experiential application portfolio, supporting Ford and Lincoln vehicle sales through our financing and leasing business in North America. The Deal Structure team is responsible for implementing solutions to support automated analysis and structuring of customer credit applications. We recently launched the initial release of our flagship cloud-native product, Deal Optimizer, and are embarking on an exciting and challenging suite of both technical and functional enhancements that will significantly expand the scope of the application going forward.

**Position Duties:**

- Develop and enhance back-end APIs for Deal Structure applications, primarily using Java/Spring Boot
- Develop and enhance front-end user experience utilising TypeScript, Angular, React, HTML, CSS
- Develop integrations and gain experience with other Ford Credit and Ford Motor applications
- Collaborate and innovate across multiple IT and business functions including Sales & Marketing, Risk Management, Global Data Insight & Analytics
- Gain experience in Cloud Native (Google Cloud Platform) technologies and Ford Credit's Digital Platform Architecture
- Gain experience in Agile/PDO methodology including pairing, mobbing, test- and behaviour-driven development
- Run & Protect the Business: Participate in supporting critical daily business operations
- Opportunity to assist with special projects within the department on as-needed basis

**Desired Skills:**

- Basic SQL knowledge/ability to query and manipulate relational databases (ideally Postgres, SQL Server or DB2)
- Any experience with GCP and/or CI/CD tooling (Cloud Build, Tekton, Terraform, Jenkins)

**Required Skills:**

- Some software engineering experience in Java, TypeScript or JavaScript
- Willingness to learn



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new tools, processes and capabilities and use them to deliver highly innovative technical solutions •  
Strong analytical and communication skills

**Work Pattern Details:**

Team is geographically distributed around the US and operates primarily in a remote work pattern. FCGs located in south-east Michigan may have occasional opportunities for in-person collaboration.

**Additional Info:**

This is a highly technical hands-on position which offers the opportunity to both contribute and significantly enhance your skills as a Full Stack software engineer engaged in both front- and back-end development. You will be working with a combination of experienced IT and business team members in an experimental and continuous learning environment. At the start of your rotation, you will be able to participate in a Boot Camp learning program to ensure you gain the skills to succeed in your new position. The boot camp will introduce you to our software craftsmanship principles/Agile practices and provide a business overview so you can connect your work to value it provides. Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG. Current FCGs: Kelly Maisel (kmaisel)



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**Rotation ID: 2,653**

**Job Title:** Software Engineer (Full-Stack Development)

**Supervisor:** Paul Pobursky

**Supervisor Email:** ppobursk@ford.com

**Positions Available:** 2

**Position Type:** Very Technical

**IT Organization:** IT Staffs

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT CORPORATE STAFFS

**Department Description:**

IT Staffs Ford Land Product Driven Organization (PDO) is responsible for overall IT portfolio management for the Ford Land organization. As a subsidiary of Ford Motor Company, Ford Land owns and operates several million square feet of corporate and commercial office space globally. Currently, the Ford Land team is engaged in the campus transformation program, a multi-year effort to revitalize and transform the corporate campuses globally into modern, green, high-tech campuses that foster innovation and collaboration. This assignment provides the opportunity to work with business and IT teams focused on transforming the workplace environment and how employees work at Ford Motor Company.

**Position Duties:**

The Workplace Technology team is looking for a Full-Stack developer that embrace Lean/Agile and Extreme Programming practices. In this environment the Software Engineer is expected to work in a pair developing fully-working, tested code across the full stack of technologies. They will collaborate directly and continuously with product managers and designers, and business partners to release early and often. We are working in a lean startup fashion; multiple MVP's, multiple launches to production, an ever changing landscape of work, and cutting edge technologies. You will be coding and learning from some of the best Software Engineers Ford has to offer. We're looking for people who want to learn to build awesome software and learn as you go! Position Responsibilities:

- Develops application software using the cloud based architecture across full stack of technologies utilized by balanced team
- Consults with product manager to identify minimal viable product and decompose feature set into small scoped user stories.
- Pairs with other software engineers to cooperatively deliver user stories.
- Solve highly complex technical problems using industry best practices.
- Uses the test driven development methodology to realize the technical solution.

**Desired Skills:**



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• Exceptional software engineering knowledge • Practiced in eXtreme Programming (XP) disciplines including paired programming • Test-first/Test Driven Development (TDD) experience • OO Design Principles, Micro services architecture, Cloud native concepts • Experience with IaaS concepts • Data modeling • Mobile Development Experience • High level knowledge of the Internet of Things Landscape (from a connectivity, data, and analytics perspective) • Progressive Web Design experience • Experience with monitoring tools, such as Splunk and Dynatrace • Highly effective in working with other technical experts, Product Managers, UI/UX Designers and business stakeholders

**Required Skills:**

Experience in cloud based, full stack web development including: • Java web development (heavy emphasis) • Responsive Web Design experience • Front end: Angular, SASS • Backend: Spring Boot, MS SQL Server, Elasticsearch • DevOps: Jenkins, Kubernetes, Docker, Gradle • Platform: Pivotal Cloud Foundry • Misc: git, bash, Rally

**Work Pattern Details:**

Bi-Weekly retrospective in person if available, otherwise we're working fully remote as Software Engineers. We work core hours of 9am to 4pm EST, in pairs.

**Additional Info:**

The vision of the Ford Land campus transformation is to transform the workplace into inspiring, innovative and sustainable environments that support company business objectives and improve the employee value proposition. This position provides the opportunity to help shape IT strategy to effectively deliver the campus transformation goal of implementing comprehensive technology solutions to provide a workplace experience that fosters employee productivity and collaboration.



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**Rotation ID:** 3,430

**Job Title:** Software Engineer

**Supervisor:** Paul Tocco

**Supervisor Email:** ptocco@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** PBT: Software Engineer

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** FCSD IT

**Department Description:**

Ford Protect / Extended Service Business (ESB) globally by re-engineering and commonizing of ESB processes, business practices, and systems. This initiative will develop the processes and IT services needed to achieve the goals and objectives of the Global Ford Protect / ESB Business Plan. Some of the major initiatives with the ESB space are: \* To build robust, modern micro services to support the growth of the business towards future opportunities, including the ability to quote, price, and register and maintain contracts via services \* To create a modern, device-agnostic user interface leveraging Angular/Spring boot services supporting the new Ford Lincoln Protect Portal (FLPP) \* To rewrite/modernize existing services migrating from Pivot Cloud Foundry (PCF) to cloud run on Google Cloud Platform (GCP) \* Leveraging CaaS (Container as a Service) to support migration of existing services off of PCF

**Position Duties:**

This position will be full stack software engineer on the ESB Data Services agile based product team developing and supporting solutions to support the Ford Protect Extended Service Business system portfolio including services to support the new Ford Lincoln Protect Portal (FLPP). The position will serve as team member developing and supporting Java based services using Spring boot and Ford Ecoboost development frameworks on GCP (Google Cloud Platform). The position will also have opportunities to learn GCP and related services offerings.

**Desired Skills:**

\* Java Service Development (heavy emphasis) \* Spring Framework, Cloud (PCF, GCP, etc.) \* Micro-services API integration experience a plus. \* Work closely with product management, team members and product owner to support and develop system features and capabilities \* Experience with Agile methodologies, Continuous Integration, Continuous Delivery pipelines \* End to End API design & implementation knowledge/experience a plus \* Experience with Java backed development and



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consumption RESTful web services \* Desire to learn new technologies including GCP and associated Service offerings.

**Required Skills:**

\* A passion for and interest in the software craftsmanship & development process \* Experience developing with Java / Restful Services \* Experience with SQL databases, query development and DB tuning \* Experience using GitHub \* Exposure and Understanding of Agile Development Methodology \* Exposure/Experience with GCP, Tekton CI/CD and CaaS technologies (not required, but a plus)

**Work Pattern Details:**

1 day a week in Dearborn office (currently Wednesday) and plan to adjust modify as required.

**Additional Info:**



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**Rotation ID:** 3,434

**Job Title:** Software Engineer

**Supervisor:** Paul Tocco

**Supervisor Email:** ptocco@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** PBT: Software Engineer

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** FCSD IT

**Department Description:**

The Battery ReX (BReX) Platform is a robust EV Battery Lifecycle (Track and Trace) Management solution for Ford encompassing health monitoring, improved visibility of operations, traceability, planning, ordering & fulfilment, and ReX operations. This application will provide Ford with end-to-end visibility of the entire battery lifecycle. The Battery ReX Platform will integrate with Ford's ecosystem including dealerships, Reman/Refurb suppliers, parts & logistics, recycler and other Ford internal systems such as Telematics Cloud, SEO, and Regional Core Return Centers (RCRCs).

**Position Duties:**

This position will be full stack software engineer on an agile based product team developing and supporting solutions to support Battery ReX platform. The position will serve as team member leveraging Java/Angular based services using Spring boot and Ford Ecoboost development frameworks on GCP (Google Cloud Platform). The position will also have opportunities to learn GCP and related services offerings including Data Fusion, Astronomer/Data Flow and BigQuery.

**Desired Skills:**

\* Java Service Development (heavy emphasis) with Spring Framework, Cloud (PCF, GCP, etc.) \* Front end development using Angular \* Ability to work closely with product management, team members and product owner to develop new application features and capabilities \* Micro-services API integration experience a plus \* Exposure/Experience with GCP, Tekton CI/CD and CaaS technologies (not required, but a plus) \* Experience with Agile methodologies, Continuous Integration, Continuous Delivery pipelines \* Experience with Java backed development and consumption RESTful web services

**Required Skills:**

\* Strong technical interest with a passion for software engineering and software craftsmanship \* Experience with front end development (Angular framework preferred) \* Experience developing with



# Fall 2023 - ET FCG Rotation List

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Java / Restful Services \* Experience with SQL databases, query development and DB tuning \*  
Experience using GitHub \* Exposure and Understanding of Agile Development Methodology

**Work Pattern Details:**

1 day a week in Dearborn office (currently Wednesday) and plan to adjust modify as required.

**Additional Info:**



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**Rotation ID:** 3,442

**Job Title:** Software Engineer

**Supervisor:** Ravichandran Chellasamy

**Supervisor Email:** rchellas@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Mach1ML

**Department Description:**

Mach1ML provides an end-to-end MLOps framework (MDK) to develop and productionize machine learning pipelines on GCP infrastructure. Users onboarded with Mach1ML, not only get GCP infrastructure provisioned during onboarding but also functioning end-to-end example ML pipelines (aka blueprints) that demonstrate how ML should be developed using various GCP or 3rd party services. Mach1ML offers an MLOPs platform that provides a pre-coded framework that orchestrates all those moving parts. MDK allows users in Ford's AI/ML community to combine on-prem tooling with Google Cloud technology, providing more scalability and data portability than ever before. MDK harnesses GCP's infrastructure and services along with already preferred tools to develop machine learning models, from data ingestion to deployment in a customized fashion.

**Position Duties:**

Work closely with Tech Anchor, Product Manager and Product Owner to deliver machine learning use cases using Agile Methodology. • Work with other Software and ML Engineers to tackle challenging AI problems. • Participate in Pair Programming for cross training/upskilling, problem solving, and speed to delivery. • Leverage latest ML and GCP technologies. • Work with Architects to make technical decision on tools, integration, and other issues. • Drive PoCs/Discoveries of new tools and technologies to support robust ML Platform • Collaborate with other software engineers to understand platform vision, break out tasks and help them solve complex issues. • Grow technical capabilities / expertise and provide guidance to other software engineers on the team. • Provide guidance and triage customer issues for MDK and FordLLM customers.

**Desired Skills:**

Bachelor's degree in Computer Science, Computer Engineering or a related field of study • Experience working with Google Cloud platform. • Experience with Python and has used Machine Learning tools (pytorch, tensorflow, xgboost etc). • Experience using orchestration tools like Airflow. •



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Good to have experience or knowledge of Deep Learning, LLM. • Experience in supporting continuous improvement by investigating development alternatives. • Experience in Software Craftsmanship such as Paired Programming, Test Driven Development, DevOps etc. • Experience working with container technology, docker files, docker images, GitHub, CI/CD concepts. • Experience applying Agile practices to solution delivery. • Must be a self-starter to understand existing bottlenecks and come up with innovative solutions. • Open to learning new technology. • Strong communication and presentation skills, ability to share/teach others, work collaboratively with others. • Good understanding of cloud design considerations and limitations and impact of pricing.

**Required Skills:**

Bachelor's degree in Computer Science or a related field of study • 1+ years of experience in Python, Machine Learning Technologies or Deep Learning. • 2+ years of work experience as a software engineer with exceptional software engineering knowledge. • Experience working with Google Cloud Platform or other cloud experience.

**Work Pattern Details:**

1-2 days in office

**Additional Info:**

Hybrid work pattern is 1-2 days in office currently. This may change per HR policy.



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**Rotation ID:** 3,203

**Job Title:** Connected Vehicle Cybersecurity Engineer

**Supervisor:** Robert Dekelbaum

**Supervisor Email:** rdekelba@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Commerce Park North II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** POLICY & STRATEGY

**Department Description:**

Connected Vehicle Cybersecurity provides support to feature and module teams for all areas of connected vehicle cybersecurity. Specifically, we: - Author and manage cybersecurity requirements for connected vehicle features and modules - Ensure that cybersecurity requirements are correctly implemented - Assist in cybersecurity requirements traceability and process to support regulatory needs - Threat model connected vehicle features and modules - Provide subject matter expertise to feature and module teams through the entire vehicle engineering process - Coordinate with development teams to respond to and mitigate new cybersecurity vulnerabilities

**Position Duties:**

- Support organization and cascade of cybersecurity requirements in various systems - Support organization of requirements traceability information - Perform Threat And Risk Assessment (TARA) for in-vehicle features/systems - Assist with organization of cybersecurity testing and test evidence review

**Desired Skills:**

- Knowledge of a variety of network technologies and protocols (CAN, CAN-FD, Ethernet, TCP/IP, etc.) - Knowledge of embedded systems and operating systems (Linux, QNX, Android, etc.) - Familiarity with threat modeling - Familiarity with vehicle hacking methods - Knowledge of programming (C, C++, Python, etc.)

**Required Skills:**

- Ability to multi-task and prioritize tasks - Strong attention to detail - Drive to complete assigned tasks within deadlines - Ability to work well with teams and as an individual contributor - Strong desire to learn - Understanding of basic cybersecurity fundamentals (CIA triad, etc.) - Understanding of basic cryptographic primitives and how they are applied (hashing, symmetric and asymmetric keys, PKI, digital signatures, etc.) - Understanding of cybersecurity defense-in-depth strategy

# Fall 2023 - ET FCG Rotation List

October, 2023



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## **Work Pattern Details:**

Majority of work fully remote, though some testing work may require visits to CPNII cybersecurity test lab

## **Additional Info:**



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**Rotation ID:** 3,204

**Job Title:** ITC+ Software Engineer

**Supervisor:** Rob Dingwall

**Supervisor Email:** rdingwal@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Software Engineering

**Location:** Information Technology HQ-A

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** ITO Customer Experience

**Department Description:**

IT Operations (ITO) is responsible for the engineering, implementation, and support of IT infrastructure solutions within Ford. My team is focused on improving the experience of people that come to ITO for products, services, and support.

**Position Duties:**

Have you ever ordered something online and found that the process was so hard you wanted to give up? Have you ever used a simple ordering site and wondered why everyone else doesn't use that approach? Bring your perspective and development skills to the IT Connect Plus team! The IT Connect Plus team is responsible for improving the experience for internal Ford people when requesting IT products. Requests for IT products and services typically occur using our IT Connect platform and we are working to extend this platform in customer-friendly ways. This position works with others on the team to create, test and support a growing suite of capabilities aimed at improving the experience for IT Connect users and beyond. In this role, you will have the opportunity to make a difference during your rotation. You will work with in a Cloud/Angular environment with product designers and fellow developers to write code and launch functionality. You can contribute a fresh perspective and new ideas as you help us disrupt the old way of doing things and drive towards the future. Key Responsibilities include:

- Work as a member of an Agile team
- Develop and support applications and functionality
- Create and maintain a library of test cases
- Assist in defining backlog items, assessing complexity, and preparing them to be scheduled
- Work with a Product Designer to implement UI based on style guide or other inputs
- Assist with prototyping
- Participate in end user testing, leveraging feedback to improve applications
- Work hands-on with team members and stakeholders to resolve issues, answer questions, and deliver products.
- Utilize a human-centered approach in obtaining voice of the customer input.
- Collaborate on various engagements with our customers.



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## **Desired Skills:**

Experience with GitHub, Postman, Tekton, Cloud Run (or another cloud-based hosting service); Experience with Node.js, JavaScript/Typescript and Angular; Experience with REST or SOAP APIs; Business Requirements Definition; Agile methodology; experience interacting with ITO Services and end users.

## **Required Skills:**

Software development education or experience; Strong customer advocacy with a desire to deliver outstanding products and services; Desire to learn; Strengths in organization, process discipline, problem solving, eliciting details and following up; Excellent verbal and written communication and facilitation skills; Team player; Strong listening and questioning skills.

## **Work Pattern Details:**

The team holds a collaboration day in the office once a month. We sometimes come in for special events like a department meeting. Otherwise, we operate as a fully remote team.

## **Additional Info:**

This is a flexible position; I am willing to incorporate the specific skills and interests of the FCG to make the position their own. As we all mostly work from home at present, the project team has been very successful at operating remotely. If you have an interest in either returning to the office environment, or in continuing to work remotely, please feel free to reach out to me. I will do my best to accommodate your working preferences.



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**Rotation ID:** 2,966

**Job Title:** Cybersecurity Software Engineer

**Supervisor:** Ron Dollete

**Supervisor Email:** rdollete@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Rotunda Court II

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Cyber Security

**Department Description:**

The application cybersecurity department focuses on strengthening the security capabilities of software teams within Ford throughout the software life cycle.

**Position Duties:**

The FCG will be responsible for learning full-stack development best practices, including paired programming, test-driven development, code review and code promotion through pre-prod and production environments. Specifically, the FCG will code web-based applications using Angular/Javascript following principles of user-driven design. These applications will communicate using RESTful APIs to backend services that the FCG will also code, written in Spring/Java.

**Desired Skills:**

API communication, database query language experience (especially in MSSQLServer), knowledge of dev-ops tools such as Jenkins, and knowledge of deployment processes to cloud infrastructure providers such as AWS

**Required Skills:**

Basic understanding of Javascript and Java languages, using an integrated IDE such as IntelliJ, and using source control tools such as Git

**Work Pattern Details:**

Daily stand-up, paired programming, bi-weekly iteration planning, demos and retrospectives as well as on-demand meetings to discuss any issues or bugs, responding to customer questions/requests in the WebexTeams support channel

**Additional Info:**





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**Rotation ID:** 3,123

**Job Title:** Cybersecurity DevOps Engineer

**Supervisor:** Ron Dollete

**Supervisor Email:** rdollete@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Cyber Security

**Location:** Rotunda Court III

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Vehicle & Connected Cybersecurity

**Department Description:**

This department is responsible for ensuring that cybersecurity threats are discovered, analyzed, mitigated and corrected. This encompasses network-connected attack surfaces such as mobile devices but also non-connected surfaces.

**Position Duties:**

This position would be responsible for overseeing the testing, verification and deployment of security tools used throughout the department. This is position leans heavily into application configuration and working with customers to ensure that the deployed tool is set up correctly for use.

**Desired Skills:**

Knowledge of CI/CD pipelines, especially using Jenkins Knowledge of cloud services and containerization Knowledge of database best practices

**Required Skills:**

Working in a command line and/or terminal environment Must work well in part of a collaborative/team environment

**Work Pattern Details:**

Daily standup meeting, frequent pairing with senior dev-ops engineers, responding to customer questions/requests

**Additional Info:**



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**Rotation ID:** 3,389

**Job Title:** DevSecOps Engineer

**Supervisor:** Richard Fischer

**Supervisor Email:** rfisch38@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Site Reliability Engineering (SRE)

**Department Description:**

Site Reliability Engineering (SRE) is not a project you do or a process; It is a transformation that changes how you approach modern engineering build, deployment and operations. Understanding that SRE practices holistically will transform the way product teams work within their applications to support the awareness and desire to change. Technical principles SRE solves for: SRE is treating operations as a collaborative team software problem. SRE focuses on operating products through production, enforcing the behavioral, cultural, and tooling shifts that drive higher adaptability, efficiency, reliability, performance and uptime.??????? The SRE mindset proactively reinforces better digital experiences with a vigilant focus on revenue-producing and operations-critical systems.

**Position Duties:**

- Design, automate and manage a highly available and scalable cloud deployment environment that allows development teams to deploy and run their services
- Collaborate with engineering, architecture, security, and modernization teams to evaluate and identify optimal cloud solutions that are scalable, highly-available and resilient and secure in a least-privilege and zero-trust fashion
- Modernize existing on-prem solutions, design new systems
- Provide architecture guidance for teams using and migrating to various CI/CD solutions on Google Cloud Platform
- Automate deployments, manage applications and infrastructure as code in Google Cloud Platform.
- Develop, enhance, and maintain cloud solutions in accordance with best practices
- Ensure optimal functioning of data storage and processing functions in accordance with security policies and best practices
- Collaborate with various teams to identify optimization strategies and help develop self-healing capabilities
- Develop and maintain observability solutions
- Design, implement and maintain security solutions in a zero-trust and least-privilege practice
- Identify, analyze, and resolve infrastructure vulnerabilities and issues, and application deployment issues
- Regularly review existing systems and make lean recommendations for improvements



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## Desired Skills:

- Experience in designing, deploying, and operating public cloud environments and/or deployments
- Experience in Docker/Kubernetes, containerization
- Experience with GCP services (Cloud Run, Cloud Build, Database services)
- Experience with Tekton, ArgoCD
- Experience with PostgreSQL databases
- Experience with security controls and architecture, Identity & Access Management
- Experience in provisioning Infrastructure as Code (IaC) using Terraform and developing Terraform scripts
- Experience in packaging, configuration and deployment management
- Technical writing: ability to write technical documents that customers can easily consume
- Proficiency in scripting and coding, including traditional languages like Python, Powershell, GoLang, Java, JavaScript, Node.js
- Knowledge and hands-on experience in Grafana and Prometheus
- Knowledge and hands-on experience with OpenShift or containerization strategies
- Experience in programming and application design
- Exposure and understanding of containerization strategies

## Required Skills:

- Experience with scripting and automation tools
- Exposure and understanding of Terraform and infrastructure-as-code (IaC)
- Exposure and understanding of CI/CD processes and code management tools (GitHub)
- Exposure to Cloud Monitoring and logging
- Exposure to infrastructure and/or cyber security controls
- Ability to design customer-focused products, services and software
- Ability to architect solutions and provide technical recommendations to teams
- Ability to work independently, with a team, and cross-functionally with diverse teams
- Drive and hunger to learn, upskill and try new things
- Always-evolving attitude for growth and customer success-driven mindset

## Work Pattern Details:

Fully remote

## Additional Info:

This FCG rotation is within the Site Reliability Engineering (SRE) organization in Ford Credit and will function as a DevSecOps role. This rotation will help the FCG gain experience supporting Ford's long-term cloud strategy of Google Cloud platform, how to operate and maintain modern DevOps solutions, deploy and manage infrastructure, work with multiple teams across the enterprise and gain exposure as desired. The organization and team supporting this FCG has a vast array of technical skills, brings diverse thoughts, background and opinions that reflects Ford culture focused around success, doing what matters, and working with agility. This rotation has the ability to shape itself to the interests, skillset and opportunities of the FCG: If the FCG has a particular interest or desire for career development, the rotation can shape itself to allow the FCG to grow, explore areas of interest, and shine in areas of excellence. If there are questions on the rotation or you would like to learn more about the rotation, organization or Ford Credit, please contact the People Leader for this rotation (RFISCH38)



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**Rotation ID: 3,400**

**Job Title:** Software Engineer

**Supervisor:** Harikrishnan Radhakrishna

**Supervisor Email:** rharikr2@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** Product Development Center - Design Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Department is Global CAD and Design

**Department Description:**

Manage all 1. CAD authoring systems like CATIA,NX and 3D Experience. 2. Visualisation applications-TC Vismockup 3. Visualisation pipeline -In house web services based visualisation pipeline 4. 3D EXPERIENCE SaaS implementation (Implementing Integration platform as a Service, which is Event driven architecture based integration service between 3dx and other plm,erp systems)

**Position Duties:**

1. Designing and developing web applications and back-end applications. 2. Developing exceptional user experiences with backend APIs using frameworks such as Spring Boot, Microservices, React (any one of the JS framework) 3. Validate and release applications using continuous integration and continuous delivery tools. 4. Collaborate with cross-functional teams, including Product Managers, Architects, DevOps, and QA, to design and develop a scalable microservices platform.

**Desired Skills:**

1. JavaScript / TypeScript • Java / Spring / Spring Boot / Microservices / client-side MVC frameworks (e.g., Angular, React, Vue, etc.) 2. Relational or NoSQL database 3. Proficiency with continuous integration/continuous delivery tools and pipelines (e.g., Jenkins, Maven, Gradle, Tekton, Kubernetes etc.) 4. Asynchronous Messaging (Kafka, RabbitMQ, Pub/Sub)

**Required Skills:**

1. JavaScript / TypeScript • Java / Spring / Spring Boot / Microservices / client-side MVC frameworks (e.g., Angular, React, Vue, etc.) 2. Relational or NoSQL database

**Work Pattern Details:**

Quarterly, Some team building events. Otherwise fully remote.

**Additional Info:**



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**Rotation ID:** 1,875**Job Title:** NGAVS Application - Deployment Specialist**Supervisor:** Rick Hopkins**Supervisor Email:** rhopkin4@ford.com**Positions Available:** 1**Position Type:** Very Technical**IT Organization:** Industrial System IT - Manufacturing & Supply Chain**Job Family:** ITS Technology Service Management**Location:** iTek Center West**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** Bi-weekly**High Tech, High Demand (HTHD) Position?** Yes**Department:** IT MANUFACTURING**Department Description:**

This Product Team is responsible for Developing and Deploying applications worldwide. We have a mix of critical and non-critical plant floor applications that are responsible for producing Ford Vehicles.

This also includes power trains and stamped components to meet global production needs. The technology is located physically in 30+ plants throughout the world. Our systems schedule, build, manage inventory, notify, and monitor plant floor information and operations. This global product team has employees in APA, Europe, and NA that interact daily with global users. Our suite of applications are the most production critical in the company. This position is visible, demanding and rewarding. You will be working on the most prestigious plant floor application at Ford Motor Company.

**Position Duties:**

Deployment Specialist to lead/participate in the deployment of our globalized suite of software. This team has responsibility for ensuring the “readiness” of more than 160+ global deployments and hundreds of application changes each year. You will be trained in our process and given the tools to be successful. Responsibilities include, but are not limited to: - Understanding / documenting the deployment process - Working with PDO and Plant IT teams to continually improve deployment and test plans globally - Working with global teams to document issues / concerns related to development and deployment activities - Analyzing / assessing the variation of application versions in the Portfolio and making recommendations for reducing complexity - Establishing process for gathering, assessing and improving portfolio health related to number of software versions, database versions, number of changes etc. - Outlining improvement opportunities for better integration with all support teams (Plant IT, DBA, NW, etc.)

**Desired Skills:**

- General understanding of MS Windows Server OS and MS SQL Databases - Ability to multitask by



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working with multiple, initiatives - Capable of managing work with limited supervision. - Strong interpersonal skills - Light programming or command shell experience is nice to have.

**Required Skills:**

- Motivated and self-starter - Strong Leadership skill and confidence to speak to multiple levels of management. - Comfortable interacting with plant IT and business customers located across the globe to clarify or define business needs/issues - Quick learner and able to adapt to a changing environment as new processes are implemented - Works well in a diverse global team environment - Excellent written and verbal communication skills - Experience with MS Office (Word, Excel, Outlook...)

**Work Pattern Details:**

Due to the global nature of this assignment, on occasion, participation in early morning or late evening meetings may be required. Hybrid work pattern is primarily Work From Home (WFH), with occasional (1x, 2x month) on site collaboration

**Additional Info:**

ADDITIONAL INFO: Opportunity to travel to various plants as part of a knowledge transfer to gain understating of business process



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**Rotation ID:** 3,449

**Job Title:** JIRA Specialist

**Supervisor:** Raji Jambunathan

**Supervisor Email:** rjambuna@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT Manufacturing

**Department Description:**

**Position Duties:**

Roles & Responsibilities– · Act as the SME for Atlassian tools, build, customize, and support the Atlassian JIRA workflow capability as well as strategic planning initiatives with Atlassian tools to meet Ford's need and mission · Configure, support and maintain automation workflows, permission schemes, Add-ons and modules to expand the capabilities of Atlassian stack · Build Customized dashboards for JIRA · Timely and cost-effective implementation

**Desired Skills:**

Other Requirements– · Proficient in the implementation of Atlassian Plugins · Ability to plan, prioritize, and support multiple concurrent projects · Troubleshooting and problem-solving skills, with the use of debuggers · Assess the risks, and implements mitigation and contingency plans · Strong oral and written communication skills

**Required Skills:**

Skills Required– · 3+ years of experience with Atlassian suite of tools, primarily JIRA and Confluence both a configuration standpoint and customization aspect · 3+ years of software development experience using Java and web-based architectures and technologies (XML, JSON) · Proficient experience utilizing JavaScript, JSP, SQL, Python and other programming languages · Familiar with Configuration Management and CI Tools, such as Jenkins, SonarQube, Maven etc. · 3+ years of experience with Agile software development · 3+ years of Product Management experience in defining strategy, and roadmaps · Collaborate closely with different working streams and engineers · Ability to break down complex problems into actionable steps and get things done in a rapidly changing environment · Excellent communication skills with the ability to adapt the communication style for the audience

**Work Pattern Details:**

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Onsite collaboration - 1 or 2 days a week; Rest of the week remote

**Additional Info:**





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**Rotation ID:** 3,432

**Job Title:** Software Engineer

**Supervisor:** Rashmi Kumar

**Supervisor Email:** rkumar77@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** ITS Software Engineering

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Mach1Ops

**Department Description:**

Mach1Ops is an Enablement team that supports ML Practitioners and Data Scientists in their Mach1ML on GCP journey or ML Engineering / ML Tasks focusing on Mach1ML Adoption and AI/ML democratization.

**Position Duties:**

- Work closely with Tech Anchor, Product Manager and Product Owner to deliver machine learning use cases using Agile Methodology.
- Work with other Software and ML Engineers to tackle challenging AI problems.
- Participate in Pair Programming for cross training/upskilling, problem solving, and speed to delivery.
- Leverage latest ML and GCP technologies.
- Work with Architects to make technical decision on tools, integration, and other issues.
- Drive PoCs/Discoveries of new tools and technologies to support robust ML Platform
- Collaborate with other software engineers to understand platform vision, break out tasks and help them solve complex issues.
- Grow technical capabilities / expertise and provide guidance to other software engineers on the team.
- Provide guidance and triage customer issues for MDK and FordLLM customers.

**Desired Skills:**

- Bachelor's degree in Computer Science, Computer Engineering or a related field of study
- Experience working with Google Cloud platform.
- Experience with Python and has used Machine Learning tools (pytorch, tensorflow, xgboost etc).
- Experience using orchestration tools like Airflow.
- Good to have experience or knowledge of Deep Learning, LLM.
- Experience in supporting continuous improvement by investigating development alternatives.
- Experience in Software Craftsmanship such as Paired Programming, Test Driven Development, DevOps etc.
- Experience working with container technology, docker files, docker images, GitHub, CI/CD concepts.
- Experience applying Agile practices to solution delivery.
- Must be a self-starter to understand existing bottlenecks and come up with innovative solutions.
- Open to learning new technology.



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Strong communication and presentation skills, ability to share/teach others, work collaboratively with others. • Good understanding of cloud design considerations and limitations and impact of pricing.

**Required Skills:**

• Bachelor's degree in Computer Science or a related field of study • 1+ years of experience in Python, Machine Learning Technologies or Deep Learning. • 2+ years of work experience as a software engineer with exceptional software engineering knowledge. • Experience working with Google Cloud Platform or other cloud experience.

**Work Pattern Details:**

1-2 days in office

**Additional Info:**

Hybrid work pattern is 1-2 days in office currently. This may change per HR policy.



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**Rotation ID: 3,413**

**Job Title:** Software Engineer

**Supervisor:** Ravindranatha Kundoor

**Supervisor Email:** rkundoor@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT Design and Build

**Department Description:**

Product Definition and Offer is an application suite within IT Design and Build. Product Definition and Offer provides the enterprise with buildable configurations that are utilized in over 35+ applications to allow ordering, scheduling and building vehicles. The application suite is a complex Java application that is currently involved in multiple initiatives to update Ford processes related to reduction of product complexity and software subscriptions.

**Position Duties:**

You will be part of an application group that develops software solutions for the Product Development business area. You will be part of a cross-functional team to develop IT solutions to integrate product definition with eCommerce focusing on software subscriptions utilizing machine learning. In addition, once requirements are gathered you will be embedded on an application development team that consists of a Lead Software Engineer, 3 to 4 Software Engineers, and a Product Manager/Designer. If you want to gain experience being a full stack developer and working on an agile team this is the position for YOU!

**Desired Skills:**

-Test driven development experience -Experience or understanding of Coding Standards and employing code review procedures -Experience working in an Agile/Scrum development process - Ability to lead discussions regarding requirements

**Required Skills:**

-Java Experience (can be light) -Knowledge or experience with Software Configuration Management tool (can be light) -SQL Experience (can be light) -Desire to code

**Work Pattern Details:**

Monthly in-house sessions, detailed design or requirement discussions in-house (as needed), bi-weekly status meeting in-house, otherwise fully remote.

# Fall 2023 - ET FCG Rotation List

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**Additional Info:**

Position will be exposed to machine learning and beginning data analytics.



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**Rotation ID: 3,023**

**Job Title:** Information Architect

**Supervisor:** Robert O'Brien

**Supervisor Email:** robrien3@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Architecture

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** ARCHITECTURE MGT & CONSULTING

**Department Description:**

Information Architecture is part of Ford Credit Global Architecture Department. Architects work with the stakeholders to adopt new technology and design patterns ensuring that products are aligned to the enterprise architecture objectives. This is an exciting time to join the IA team to learn about Informatica Enterprise Data Catalog capabilities which assist with data lineage , governance, Master Data Management & Meta data quality. An opportunity to work with Product teams to help them identify Systems of Record & modernize their applications.

**Position Duties:**

-Learn and apply Information/Data Architecture skills.

-Drive information integration, information standards, and information management while exploiting the wealth of metadata captured in Enterprise Data Catalog .

-Data/Information Modeling

& Database Design.

Learn and apply SQL performance improvement.

-Work with Information architects to apply API best design practices across PDO teams. -Opportunity to work with Solution Architects in Customer, Account, & other domains as part of the rotation. Design solutions for data factory - data lake, data warehouse, and data marts. Set architecture and design direction (technologies, patterns, design principles and development frameworks) for product teams.

**Desired Skills:**

-SQL -Database concepts. -Analytical mindset. -Cloud Architecture -Architecture patterns

**Required Skills:**

- Basic SQL understanding -Broad understanding of Architectural concepts. -Willingness to learn.

**Work Pattern Details:**



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Quarterly in office, available during core working hours.

**Additional Info:**

o Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. o We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives.



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**Rotation ID:** 3,416

**Job Title:** Product Manager

**Supervisor:** Renuka Putumbaka

**Supervisor Email:** rputumb1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Product Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Sell-DCDS

**Department Description:**

Marketing, Sales, & Service portfolio. The Dealer Connectivity & Data Services (DCDS) is an essential portfolio enabler for key business initiatives such as Guest Experience (GXP), Model E, and Customer Experience (CX). DCDS Product teams are currently in the process of transitioning to a NextGen environment featuring Hadoop and Google Cloud Platform.

**Position Duties:**

Responsible for Dealer connectivity solutions between Ford Motor Company and Dealer Service Providers (DSP), as well as facilitating transfer of data between our dealers and Ford. Work as an Product Manager to interact and collaborate with FCG product team and other DCDS product teams, resolve any technical hindrances towards the delivery committed. Lead a team of 4-6 FCG Software engineers Collaborate with business and IT teams to deliver value

**Desired Skills:**

Alteryx GCP Sense of humor

**Required Skills:**

Experience with Agile techniques Rally or Jira SQL skills PDO experience Technical aptitude and willingness to learn Strong team focus ability to collaborate with Product team members and share knowledge Attention to detail and strong problem-solving abilities Strong communication skills

**Work Pattern Details:**

Hybrid with opportunities to come to office 1-2 days per week to collaborate with teams. Work with business team every Wednesday and some times collaborate Monday/Tuesday's on site

**Additional Info:**

Familiarity of GCP, TDD (Test Driven Development) nice to have, it can be learned during this rotation. Opportunity to learn dealer facing business.



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**Rotation ID: 3,418**

**Job Title:** Software Engineer

**Supervisor:** Renuka Putumbaka

**Supervisor Email:** rputumb1@ford.com

**Positions Available:** 5

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Sell-DCDS

**Department Description:**

Within Marketing & Sales, the Dealer Connectivity & Data Services (DCDS) Product Line is the main channel for integration between Ford and Dealer Service Providers. DCDS also provides analytics on dealer data that provide metrics used by Ford Customer Service Division (FCSD) management and field personnel. The DCDS technology footprint has rapidly changed over the last two years as part of a platform modernization including PCF, SpringBoot, RESTful services, and Hadoop. Aligned with near real-time dealer data, DCDS has numerous future projects planned with Customer Experience (CX) and other Analytics-focused programs.

**Position Duties:**

- Design and implement microservices utilizing Test-driven development methodology
- Migrate RESTful web services to Google Cloud Platform leveraging Cloud Run and Postgres
- Collaborate with internal and external teams to define APIs for exchange of Dealer data
- Decompose Product features into user stories and actively participate in Agile ceremonies
- Solve complex technical problems

**Desired Skills:**

- Experience with Agile techniques
- Familiarity with Test-driven development and Software Craftsmanship techniques
- SQL skills
- Knowledge of SpringBoot
- Sense of humor

**Required Skills:**

- Technical aptitude and willingness to learn
- Strong team focus ability to collaborate with Product team members and share knowledge
- Attention to detail and strong problem-solving abilities

**Work Pattern Details:**

Hybrid with opportunities to come to office 1-2 days per week to collaborate with teams. Work with business team every Wednesday and some times collaborate Monday/Tuesday's on site

**Additional Info:**





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**Rotation ID:** 3,419

**Job Title:** Data Engineer

**Supervisor:** Renuka Putumbaka

**Supervisor Email:** rputumb1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Sell-DCDS

**Department Description:**

Within Marketing & Sales, the Dealer Connectivity & Data Services (DCDS) Product Line is the main channel for integration between Ford and Dealer Service Providers. DCDS also provides analytics on dealer data that provide metrics used by Ford Customer Service Division (FCSD) management and field personnel. The DCDS technology footprint has rapidly changed over the last two years as part of a platform modernization including PCF, SpringBoot, RESTful services, and Hadoop. Aligned with near real-time dealer data, DCDS has numerous future projects planned with Customer Experience (CX) and other Analytics-focused programs.

**Position Duties:**

- Design and implement data transformation and data load scripts in the Google Cloud Platform (GCP) leveraging Astronomer/Airflow and BigQuery
- Collaborate with business and IT teams to deliver value-added solutions
- Decompose Product features into user stories and actively participate in Agile ceremonies
- Solve complex technical problems

**Desired Skills:**

- Experience with Agile techniques
- Familiarity with Test-driven development and Software Craftsmanship techniques
- Sense of humor

**Required Skills:**

- Technical aptitude and willingness to learn
- Strong team focus ability to collaborate with Product team members and share knowledge
- Attention to detail and strong problem-solving abilities
- SQL Experience
- Familiarity with Python

**Work Pattern Details:**

Hybrid with opportunities to come to office 1-2 days per week to collaborate with teams. Work with business team every Wednesday and some times collaborate Monday/Tuesday's on site

**Additional Info:**



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**Rotation ID: 3,289**

**Job Title:** Production Service Engineering (Network Developers)- Technical Planning and Engineering Specialist

**Supervisor:** Rajakumar Ramasamy

**Supervisor Email:** rramasam@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technical Specialty (Network, OS, Data Center, etc.)

**Location:** Advanced Engineering Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Network Services - LAN

**Department Description:**

This opportunity is with the Network Services which is responsible for delivering Local Area Network (LAN) connectivity to end users and other hosting infrastructure including Manufacturing Network globally. The LAN Service team is heavily involved in supporting key corporate objectives & projects (Blue Oval City, Model e, Factory of Tomorrow, Smart Buildings, and Campus Transformation). In addition to Global LAN & Data Center LAN, the Network Service organization includes other departments teams focusing on Multi-Cloud & WAN, Extranet & Network Automation, and Network Operations & Tools.

**Position Duties:**

Responsible for architecting and engineering network solutions for campus and Manufacturing Facility. Participate in Test, Certify and Release of Cisco Switches, software, and firmware for global network deployment. Provide Level 3/4 supports/troubleshoots network issues and coordinates new installation of such items as routers and switches, Software Defined solution (SDN) with appropriate vendors. Develop the solution to conducts tests of network redundancy, resilience and failover of network elements to ensure up-time standards are fully achieved. Work with other Network Service teams to Develop tools to automate the deployment, administration and monitoring of a network system Works with cross functional teams to enhance and improve system operability.

**Desired Skills:**

Understanding of computer networks, TCP/IP, subnetting and Domain Naming System (DNS). Knowledge with Cisco Networking such as switches, Routers, IOS-XE software Infrastructure Automation & API familiarity & experience or understanding of with Terraform, Ansible, Github, Python, JSON, YANG/YAML/NETCONF, and Postman is a plus Knowledge of data network cabling (Cat6a, multi-mode & single-mode fiber optics & transceivers) Familiarity with Agile methodologies.



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## **Required Skills:**

Bachelor's degree in technical field (CIS, MIS, Cyber Security, etc.) Strong desire to learn about cutting edge network technologies (i.e., Software Defined Networking, WiFi-6, Fiber to the Edge). Basic understanding of networking concepts such as the Open Systems Interconnection (OSI) Reference model, routing, and switching Proficient in Microsoft Office products including Word, Excel, Visio, and OneNote Good organizational and project management skills Good oral and written communication

## **Work Pattern Details:**

Occasional onsite work (Dearborn, MI) may be required for collaborative meetings, lab work, and network deployments. Estimated onsite time is between 15-20%

## **Additional Info:**

Network Services teams manages globally 2 Enterprise DCs, 4 Regional DCs, & 11 Global Network Hubs 60K Network devices, 600+ WAN & 25+ Public Internet/Cloud connections



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**Rotation ID:** 1,887

**Job Title:** PD Cost Management and Analytic Cloud Developer

**Supervisor:** Greg Stockton

**Supervisor Email:** rstockto@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** iTek Center West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Eng. Product Definition and VSSE

**Department Description:**

“Eng. Product Definition and VSSE” department supports the Product Development organization, throughout the lifecycle of vehicle programs from initial target setting through post release cost save. Our specific team's mission is to support the business as they envision new programs, set cost targets, and find ways to deliver current and future programs more cheaply at the same quality. (The processes our team support, through software, are targeted to save Ford over \$1B in 2024) We work directly with PD customers from the Global Total Cost group and the different functional areas, as well as partners from both the business and IT in Purchasing, Finance, and Global Data Insight and Analytics (GDIA) organizations.

**Position Duties:**

This will be primarily a development position, with the primary focus being web app and service development in the Google Cloud Portal (GCP) environment. Specific tasks will include:

- As a core member of a fully empowered PDO Team, develop and deploy Proof-of-Concepts, Production applications and analytic studies.
- The primary work in 2024 will be using the GCP environment to recreate a legacy tool that tracks vehicle cost save ideas from conception to implementation on programs. The result of this tool will support engineers in executing of ideas, as well as providing a view for weekly reviews by Jim Farley and his direct reports as Ford PD attempts to deliver over \$1B in current model part cost savings.
- Support an IT Portfolio strategy as the business evolves their processes and strategies in PD's “Global Total Cost” organization. Work will include helping the business clarify its short and long term goals and the best ways to support those requirements with tools the team will create.
- Support Ford/OS and other corporate initiatives by transforming the technology stack of our tools to support improved analytics, API-driven architectures, Machine Learning and alignment of data across multiple processes.

**Desired Skills:**



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•Development expertise with Java, Angular or similar nice to have but not necessary. Full-stack experience a bonus. GCP experience a bonus. •Experience with API development, services and/or data •Experience with data blending and transformation, Machine Learning a bonus. •Ability to think strategically while delivering with an agile approach

**Required Skills:**

•Development background. Specific skills can be taught as needed. •Self-starter with strong sense of ownership and independence •Strong Communication Skills and Teamwork skills •Ability to understand both technical and business needs

**Work Pattern Details:**

Team has a hybrid work pattern but works from home virtually all days. The team is international, so WebEx teams is used to pair and mob as required. Decisions on when it makes sense to work in person will be made by the team.

**Additional Info:**

Job will include opportunities to initiate and lead projects, fast-fail POC's, innovations, etc. Job will also include exposure to IT and PD management and directors. Despite its importance, this is a small team position, and overtime is usually not required. First year FCGs have been very successful in this position. Key Ford O/S behaviors: Own It, Deliver It, Focus



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**Rotation ID:** 1,718

**Job Title:** AI / Software Engineer

**Supervisor:** Rangarajan Thiruvalli

**Supervisor Email:** rthiruv1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT - Manufacturing Engineering

**Department Description:**

Manufacturing Engineering is responsible for the engineering that is required in order to be able to manufacture a new vehicle design. Our product line, Manufacturing Digital Engineering, works closely with Manufacturing Engineering to develop and deploy solutions that enable engineers to do their work productively and efficiently.

**Position Duties:**

This position is on the LA&O (Labor Allocation & Optimization) Product Team. Your main responsibility will be in the application of Artificial Intelligence (AI) for the maintenance and development of the GSPAS/AI/DLMS system and related systems. In this position you will be exposed to many if not all of the following technologies: • Knowledge-based system development • Natural language processing • Deep learning • Text analytics • Machine translation • Relational databases • Lisp and server-side programming, (LispWorks/KnowledgeWorks) • Ontologies and the semantic web (using Franz AllegroGraph.) This position would include the following types of duties: • Modeling and updating knowledge into ontologies (knowledge bases.) • Working with machine translation corpuses and systems to enhance translation accuracy. • Developing improvements and maintaining the AI/DLMS system. In this role you'll be introduced to Test Automation and Scripting to enable automated testing of software in AI and non-AI use cases. You will gain experience in the manufacturing engineering domain and have the opportunity to work with colleagues from IT, Industrial Engineering, Ergonomics, Vehicle Operations, Powertrain and assembly plant personnel from around the world. In addition, you will have an opportunity to work on IT Innovation projects utilizing various cutting edge technologies.

**Desired Skills:**

- Masters in Computer Science or related degree
- Strong product and project management skills
- Strong and effective communicator who is able to identify solution and drive teams toward delivery of



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solutions • Strong knowledge of the Agile Delivery Methodology • Solid understanding in AI, machine learning and passion for identifying and understanding emerging advance software related trends • 3+ years working with Artificial Intelligence / Machine Learning tools and techniques • Experience of interpreting and translating between research insights, business strategy, and design of products and services • Experience with Operating Systems, continuous integration tools (e.g. Jenkins), version control systems (e.g. GitHub), unit testing frameworks (eg gtest), and containers (e.g. Docker) • Experience with LispWorks/KnowledgeWorks, and/or AllegroGraph • Experience with CA Agile Central (Rally), backlogs, iterations, user stories, or similar Agile Tools.

**Required Skills:**

• Bachelor's degree in computer science / data science • Experience in Rules Engine / Inference Engine design pattern, forward/backward chaining • Experience in Ontology definition and implementation • 2+ years of experience with Object Oriented Development such as Java or scripting with Python, Lua, or Go • MVC or micro services development using Java Spring framework • Java Persistence API/Hibernate and JD3C, Git, Github, or other version control software • Good understanding of database management - Relational database and graph database • Ability to prove out new concepts by developing projects from inception to delivery • Ability to adapt to quickly changing requirements • Experience with Test Driven Development and Agile Methodologies • Excellent written and oral communications skills

**Work Pattern Details:**

2-3 days in office working with the team

**Additional Info:**

We are looking for an individual that has a strong background in Computer Science, preferably with coursework in Artificial Intelligence and Data Mining. In this position, you will be working with a small team on a wide range of problems that are critical to support the business. At the end of your rotation, you will have gained experience in manufacturing applications as well as the use of AI and other advanced technologies in Ford IT.



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**Rotation ID: 2,872**

**Job Title:** Software Engineer – MFG. Bill of Process, Allocation and Optimization

**Supervisor:** Rangarajan Thiruvalli

**Supervisor Email:** rthiruv1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

Manufacturing Engineering is a team of individuals who are responsible for ensuring the proper production of automotive components, subsystems, powertrain and manufacture vehicles at our plant sites. The Labor Allocation and Optimization Product Team (LA&O) helps build software that IEs (Industrial Engineers) use to develop the process sheets utilized in the manufacturing and assembly of vehicles. The APT (Allocation Planning Tool) module helps manage the Cycle Line Layout and the effective management of workers, parts and tools using Time Studies and MODAPTS.

**Position Duties:**

This position is on a product team responsible for GSPAS (Global Study Process Allocation System). Your main responsibility will be in maintenance and development of key functionalities related to Bill of Process. In this position you will be exposed to many if not all of the following technologies: • Knowledge-based system development • Natural language processing • Monolith to microservice re-factoring • Relational databases • Microservice development This position would include the following types of duties: • Modeling and updating knowledge into ontologies (knowledge bases) • Developing improvements and maintaining the AI/DLMS systems. Experience will be gained in the manufacturing engineering domain and have the opportunity to work with colleagues from IT, Industrial Engineering, Ergonomics, Vehicle Operations, Powertrain and global Assembly Plant Personnel. In addition, you will have an opportunity to work on IT Innovation projects utilizing various cutting edge technologies. Participating in this position will assist in transitioning Ford towards their Factory of Tomorrow/ Manufacturing 4.0 vision. Ample opportunities to design and apply software engineering skills and concepts. A skilled problem solver with the analytical ability to understand problems/manual processes and innovate solutions/automate leveraging industry standards. Further, opportunities exist for exposure to design and develop software for the broader LA&O product.

**Desired Skills:**





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A willingness to learn, Good Programming skills (Java/Python), Agile Methodologies, Design Thinking, Self-Starter, Team Player. Experience working with cloud technologies (GCP, PCF, AWS, Azure)

**Required Skills:**

- Bachelor's Degree in Computer Science or related field
- 2+ years of professional full-stack software development experience: Object-Oriented or Functional languages such as Java, JavaScript, TypeScript or similar
- Exposure and experience in Architecture and Software Design Pattern
- Experience with continuous integration/continuous delivery tools and pipelines (e.g., Jenkins, Tekton, Gradle, etc.)
- Expertise in eXtreme Programming (XP) disciplines including: Paired programming, Test-first/test-driven development (TDD)
- Strong understanding of clean code concepts
- Experience with Java backend framework like Spring Boot
- Experience with microservice architecture, REST APIs, SOAP/WSDL/XML/SOA, etc.

**Work Pattern Details:**

Monthly, in-office, 1/2 a day for team building. Otherwise fully remote.

**Additional Info:**

The FCG will work in a Product Development Team that leverages Agile Methodologies for delivery, planning and execution.



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**Rotation ID: 2,587**

**Job Title:** Java Developer for Labor Allocation (GSPAS) application

**Supervisor:** Rangarajan Thiruvalli

**Supervisor Email:** rthiruv1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

This position is on a product team whose responsibilities span across the Manufacturing Engineering product line. Your main responsibility will be as a Software Engineer in the LAO team and assist in the development and maintenance of the GSPAS and test automation tools. The GSPAS team has been tasked with bringing cutting edge software and innovation to the Labor Allocation and Optimization space at Ford Motor Company. You will help in enabling the simplification and efficient building and assembly of automotive products at Ford Motor Company. In this position you will be exposed to software development and delivery using Agile Methodologies working in iterations to deliver vertical slices of value, rapidly to the business. If you have the excitement and passion for technology and also an interest in learning new things then come work for us. A team player, self-starter with strong communication skills and can-do attitude is what we value. In addition, you will contribute to the Labor Allocation & Optimization product team during the design, development, and testing phases of the software developed to aid in the assembly and manufacture of cars.

**Position Duties:**

In this position you will be learning to design, develop and deploy code solutions to for Industrial Engineering business customers Collaborate across an agile, balanced team of developers and testers to deliver projects/features for the business Technical Debugging, troubleshooting of software Learn the use of Test Automation tools and help automate Test Use-cases for existing software You will gain experience in the manufacturing engineering domain and have the opportunity to work with colleagues from IT, Advanced Manufacturing Center, Industrial Engineering, Ergonomics, Vehicle Operations, Powertrain and assembly plant personnel from around the world In addition, you will have an opportunity to work on IT and Advanced Manufacturing innovation projects utilizing cutting edge technologies such as Restful APIs, Angular and Mobile Web Development.

**Desired Skills:**



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- Strong and effective communicator who is able to take on new work, plan an angle of attack and deliver the plan. - Working knowledge of the Agile Delivery Methodology and willingness to learn the methodology - Experience with Java, JavaScript (ideally React; Angular, Vue, and Android also good), Node.js, and/or Swift. - Familiarity with cloud application platforms and cloud infrastructure. - Capacity to cope with and work with ambiguity. "We work on the cutting edge - change is inevitable!" - Experience with/willingness to learn Operating Systems, continuous integration tools (e.g. Jenkins), version control systems (e.g. GitHub) - Experience with CA Agile Central (Rally), backlogs, iterations, user stories, or similar Agile Tools. - Experience working with cloud technologies (GCP, PCF, AWS, Azure)

**Required Skills:**

- Bachelor's Degree in Computer Science or related field
- 2+ years of professional full-stack software development experience: Object-Oriented or Functional languages such as Java, JavaScript, TypeScript or similar
- Experience with Java backend framework like Spring Boot
- Exposure and experience in Architecture and Software Design Pattern
- Experience with continuous integration/continuous delivery tools and pipelines (e.g., Jenkins, Tekton, Gradle, etc.)
- Expertise in eXtreme Programming (XP) disciplines including: Paired programming, Test-first/test-driven development (TDD)
- Strong understanding of clean code concepts
- Experience with microservice architecture, REST APIs, SOAP/WSDL/XML/SOA, etc.

**Work Pattern Details:**

2-3 days a week in office, collaborating with the team

**Additional Info:**



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**Rotation ID:** 3,270

**Job Title:** Software Engineer - Quality (MAST)

**Supervisor:** Rangarajan Thiruvalli

**Supervisor Email:** rthiruv1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT Manufacturing Engineering

**Department Description:**

Manufacturing Engineering is a team of individuals who are responsible for ensuring the proper production of automotive components, subsystems, powertrain (Engine/Transmission/Axle) and complete vehicles at our plant sites. The Manufacturing Digital Engineering supports and develops various applications and tools to support our Stamping, Assembly and Powertrain teams.

**Position Duties:**

This is a software development position with a focus on development for IIOT platform. You will collaborate with engineers from the Advanced Manufacturing team and IT staff to deliver projects and features. You will be responsible for the development and ongoing maintenance of products in the virtual manufacturing space using agile, test-driven development principles. As a part of the team the candidate will be exposed to angular platform and framework, bootstrap framework, REST apis and other technology components. This position will primarily focus on re-engineering the way our factory employees complete the customer testing of a new vehicle.

**Desired Skills:**

Flexibility to learn new tools and technologies. Experience with Software Development tools (Backlog Management, Source Code Management, Test Management, CI/CD, etc). Experience with Test Driven Development and Agile Methodologies. Experience working with cloud technologies (GCP, PCF, AWS, Azure)

**Required Skills:**

- Bachelor's Degree in Computer Science or related field
- 2+ years of professional full-stack software development experience: Object-Oriented or Functional languages such as Java, JavaScript, TypeScript or similar
- Exposure and experience in Architecture and Software Design Pattern
- Experience with continuous integration/continuous delivery tools and pipelines (e.g., Jenkins, Tekton, Gradle, etc.)
- Expertise in eXtreme Programming (XP) disciplines including: Paired programming,

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Test-first/test-driven development (TDD) • Strong understanding of clean code concepts • Experience with Java backend framework like Spring Boot • Experience with microservice architecture, REST APIs, SOAP/WSDL/XML/SOA, etc.

**Work Pattern Details:**

Hybrid - 2-3 days a week with PDO team.

**Additional Info:**

This position will provide an new opportunity to learn while providing real value to Ford Motor Company.



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**Rotation ID:** 3,202

**Job Title:** NGAVS GEN3 - Schedule Execution Software Engineer

**Supervisor:** Rachel A Voss

**Supervisor Email:** rvoss5@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** iTek Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

The Manufacturing Production Scheduling PDO Team is the place to be right now!! Our team is transforming the In-Plant Scheduling space by modernizing everywhere & simplifying everything through re-engineering and new development efforts utilizing the latest technologies, methods and tools to bring flexibility & innovation at market speed to the manufacturing organization. Our systems schedule, build, manage inventory, notify, and monitor plant floor information and operations. We have a mix of critical and non-critical plant floor applications that are responsible for producing Ford vehicles, powertrains and stamped components to meet global production needs. If you are in IT and looking to gain product knowledge in one of Ford's core business pillars, look no further. Our suite of production applications run critical operations and deliver bottom line value to Ford Motor Company.

**Position Duties:**

The Software Engineer is responsible for working within the product team to design, deliver and execute and support production vehicle scheduling execution capability. Responsibilities include, but are not limited to: - Learn and utilize software delivery tools (SpringBoot, GitHub, Jenkins, Junit, Gradle, IntelliJ, SonarQube, Docker/Kubernetes) to develop, test and deliver Schedule Execution capability - Implement Agile development methods in Rally (Epic/Sub-Epic, Features, Stories, Iteration planning, burn down, ceremonies, retrospectives, etc.) as part of the development process - Learn and utilize container based computing technologies and how to deploy for usage to the distributed plant floor (OpenShift, Windows 2019, SQL Server 2019, PostGreSQL) - Utilize paired programming, SCRUM, and test driven development methods - Assist in developing a migration path off legacy technology onto the new platform, implement the migration path - Learn core functionality of the Manufacturing Production Scheduling process - Identify methods to integrate solutions to Dev Ops tooling

**Desired Skills:**



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- General understanding of Angular, Windows Server 2019, Jenkins, Junit, Gradle, Kubernetes, Test Driven Development - Ability to multitask by working with multiple initiatives - Capable of managing work with limited supervision - Strong interpersonal skills

**Required Skills:**

- Understanding of Java and Eclipse/IntelliJ - Understanding of cloud based computing - Agile software development methods - Motivated and self-starter - Comfortable interacting with plant IT and business customers located across the globe to clarify or define business needs/issues - Quick learner and able to adapt to a changing environment as new processes are implemented - Works well in a diverse global team environment - Excellent written and verbal communication skills - Experience with MS Office (Word, Excel, Outlook, etc.)

**Work Pattern Details:**

Team is in-office session once every 2-4 weeks for 1/2 day to maximize backlog grooming, retro, etc. Otherwise, hybrid/remote to accommodate best development experience.

**Additional Info:**

Due to the global nature of this assignment, on occasion, participation in early morning or late evening meetings may be required.



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**Rotation ID:** 3,292**Job Title:** GCP NoSql Automation Engineer**Supervisor:** Ramesh Yalavarthi**Supervisor Email:** ryalavar@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Operations**Job Family:** IT Operations**Location:** World Headquarters Building**Company:** Ford Motor Company**Work From Home Flexibility:** Site-dependent**Onsite Work Required?** No**Frequency of In Person Collaboration:****High Tech, High Demand (HTHD) Position?** No**Department:** NA COMP OPRNS MGR**Department Description:**

The Open Systems Database Department is responsible for production and new development support services for various Database Management Systems including NoSQL databases like MongoDB (both on-prem and GCP), and Cloud Firestore, Bigtable, and Neo4j. Production support activities include: Database Monitoring and Maintenance, Incident Resolution, Problem Management (Root Cause Analysis), Routine Consumption & Performance Management, Customer Support/Help, Implementing Security and Controls, Infrastructure Support and Training. Development and Enhancement Services, Implementation Planning/New Tech Assessments and DB Builds (Agile).

**Position Duties:**

Enhance existing service offerings on GCP and on-prem using Terraform modules, promote the changes to Github repos, develop new service offerings based on customer demand, develop self-service opportunities so that customers can deploy infrastructure, assist in the on-prem API modifications written in python, design and build automation solutions using GCP / Kubernetes etc, creating CI/CD Pipelines with Tekton

**Desired Skills:**

terraform, python, devops, deploying infrastructure as code on any cloud providers, Github, knowledge of kubernetes, Rally,

**Required Skills:**

Strong written/oral English communication skills with ability to communicate effectively, team player. Strong desire to learn new technology.

**Work Pattern Details:**

remote

**Additional Info:**





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**Rotation ID:** 3,415

**Job Title:** Ford Credit Cloud Data Platform Engineer

**Supervisor:** Syed Asif

**Supervisor Email:** sasif@ford.com

**Positions Available:** 2

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Analytics and Big Data

**Location:** World Headquarters Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Credit Data Engineering

**Department Description:**

Department Vision & Mission: Re-found Ford Credit into a Data-Full Enterprise. Drive Transformation of Ford Credit, fueled by Data. Simplify data, AI & ML with Google Cloud Platform.

**Position Duties:**

Work in a collaborative environment including paired programming with other cross-functional engineers Work on a small agile team to deliver working, tested data products Work effectively with fellow data engineers, product owners, data champions and other technical experts Demonstrate technical knowledge/leadership skills and advocate for technical excellence Develop exceptional Analytics data products using streaming, batch ingestion patterns in the Google Cloud Platform with solid Data Warehouse principles

**Desired Skills:**

Strong drive for results and ability to multi-task and work independently Self-starter with proven innovation skills Ability to communicate and work with cross-functional teams and all levels of management Demonstrated commitment to quality and project timing Demonstrated ability to document complex systems Experience in creating and executing detailed test plans

**Required Skills:**

Understanding of Google's product technology (or other cloud platform) and underlying architectures Ability to understand, write, and optimize SQL queries Understanding of DevOps principles, including CI/CD pipelines Ability to understand and write python for job orchestration via Astronomer (managed Airflow) Ability to analyze business requirements, ask questions, and map data from source to target Ability to perform POCs for required tools and services and implement solution in Google Native Technologies

**Work Pattern Details:**

The team typically collaborates 1-2 days per week in WHQ.



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**Additional Info:**

Ford Credit ET team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives. FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID: 2,524**

**Job Title:** Vehicle Software Lifecycle Management (VSLM) Full Stack Developer

**Supervisor:** Shree Belsare

**Supervisor Email:** sbelsar1@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** iTek Center East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT PD Vehicle Software Systems Engineering (VSSE)

**Department Description:**

Vehicle Software Lifecycle Management (VSLM) is part of the Systems Engineering PDO. This department provides software solutions to Product Development (PD) users. Vehicle Cybersecurity Access (VCA) is one of the applications managed by the VSSE team which deals with end-to-end lifecycle of the security keys used by Manufacturing plants, suppliers and Ford Customer Service areas to unlock and make software updates to ECUs (Electronic Control Units). This is a business-critical application from Cybersecurity perspective and also helps avoid costly Stop Ships in the plants.

**Position Duties:**

The developer will be responsible for supporting the application development of web applications in a Paired Programming and TDD Agile team environment. The responsibilities include design, development, testing, defect fixing, and incident response. The developer must have a strong background in current web development technologies (HTML/JavaScript/CSS), Java and SQL. • Create front-end web pages using JSF framework(Primefaces), CSS and Javascript/jQuery. • In a Java environment, develop Beans, Business objects which query databases using JPA framework and JDBC. • Design, implement, and run unit tests interpreted from business requirements. • Translate business requirements into structured systems design using appropriate design methodologies. • Design database tables, write stored procedures and develop SSRS reports • Use Test Driven Development (TDD) to ensure better code coverage and quality • Help support usage of CI/CD pipeline e.g. Jenkins

**Desired Skills:**

Ability to work in large, global team Past web development experience TDD and Paired Programming

**Required Skills:**

Prior programming experience



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**Work Pattern Details:**

Optional Bi-weekly In-Person team meetings and 1:1s at WHQ building, Dearborn on Thursdays. In-Person meetings are preferred; however, it is optional and otherwise remote.

**Additional Info:**

This rotation will offer the FCG a unique opportunity to work on engineering applications that are used in Product Development, and help the FCG develop an understanding of the business processes that the applications support. It is expected that the FCG will gain good development experience. They will also gain experience working with global business customers.



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**Rotation ID: 3,281**

**Job Title:** Product Manager

**Supervisor:** Sashi Chilakapati

**Supervisor Email:** schilaka@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** IT Staffs

**Job Family:** IT Business Analysis

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** Staffs IT

**Department Description:**

The Payroll, Timekeeping, and Health & Safety Product Line is part of the Human Resource Product Group within the Staffs IT PDO. The Product Line is responsible for the IT systems that ensure the Company's hourly and salaried employments are made on time and with accuracy in the US, Canada, UK, Germany and the AP region. The Product Line faces off with Business Owners from Human Resources, Labor Affairs, Manufacturing Operations, and Accounting. The product line is embarking on an exciting transformation with the upcoming launch of both Payroll, Timekeeping, and Health & Safety system modernization programs, and will also be actively involved in implementing several foundational HR systems at Blue Oval City.

**Position Duties:**

The role will support and lead the definition, prioritization and delivery of key deliverables tied to the multi-year Payroll & Timekeeping, and Health & Safety Modernization programs designed to replace the legacy systems with cloud offerings in the US, Canada, UK, and Spain. Responsibilities will include collaboration with multiple business and IT product owners, SaaS vendors, Solution Integrators, and other upstream/downstream systems. Specific duties include:

- Develop and maintain implementation roadmaps for key initiatives
- Lead effort to identify current state/future state integration of up/down stream applications and business processes
- Drive payroll and timekeeping implementation planning, design, build, test, and launch
- Enable seamless and real time upstream/downstream system integration by leveraging delivered API functionality, and developing custom APIs where needed.
- Maintain agile processes and ceremonies (e.g., iteration planning, retrospectives, daily standups, backlog grooming)

**Desired Skills:**

- Demonstrated understanding of SaaS products and how to implement
- Data migration and integration experience



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**Required Skills:**

o Strong communication skills, and ability to independently progress multiple parallel work streams are required. o Additional responsibilities include but not limited to project planning and tracking, issue & risk management, strategic thinking and planning, and integrating modernization efforts with ongoing production support priorities. o API development (Java, microservices, CI/CD experience and tools)

**Work Pattern Details:**

Mostly remote, with in-person meetings as needed for workshops and design/strategy sessions

**Additional Info:**

This position plays a key role in achieving the Corporate priority to modernize everywhere by implementing best in class cloud based product offerings. This position offers growth and opportunity in the following ways:

- Team leadership and delegation
- Excellent opportunity to present to communicate with all levels of management
- Develop experience leading large complex application migrations
- Showcase strong technical/development skills, and train team members
- Experience managing highly critical applications with direct impact on manufacturing plant operations
- Opportunity to interact with cross functional application, architecture, and infrastructure teams across IT



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**Rotation ID:** 3,452

**Job Title:** Ford Pro Tech Product Manager

**Supervisor:** Sarah Feldman

**Supervisor Email:** sfeldma8@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** Ford Pro

**Job Family:** ITS Product Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** 4778J2107

**Department Description:**

Ford Pro is a new global business within Ford committed to commercial customer productivity. Ford Pro delivers a work-ready suite of vehicles, accessories, and services for virtually every vocation, backed by technology, and engineered for uptime. A true one-stop shop, offering a full portfolio of electrified and internal combustion vehicles designed to integrate seamlessly with the Ford Pro ecosystem, helping customers' businesses thrive today and into the new era of electrification. Ford Pro Technology group is looking for Product Managers that embrace Lean, Agile and Human Centered Design practices to deliver innovative software products. Product Managers will work in small and cross-functional teams. The Product Manager will collaborate directly and continuously with Software Engineers and Designers to build, validate and release software products early and often.

**Position Duties:**

- Maintain a balance between business viability, user desirability and technical feasibility while delivering software products with a team.
- Work closely with Business Partners to define a product vision and break it down into an actionable backlog of user stories for the development team.
- Work hands-on with the development team to prioritize, plan, and deliver software that creates excellent user experiences.
- Collaborate with the product team to define specifications, requirements, and acceptance criteria for deliverables.
- Help Business Partners understand our iterative development approach and focus on delivering a Minimum Viable Product through careful and deliberate prioritization.
- Work with product designers to ensure timely delivery of designs and assets to the development team.
- Conduct product experiments, user interviews and other validation techniques to gather feedback and product insights
- Create assets to guide product development work (Discovery, Framing and Scoping documents, opportunity trees, user stories).
- Help partners understand our iterative development approach.
- Mentor and train other PMs to help them learn agile/XP methods, product management techniques and build skills.
- Help innovate and iterate on agile PM processes



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and share our learnings.

**Desired Skills:**

- Previous experience in software development
- Familiarity defining product vision, strategy, product roadmaps and building and managing backlogs
- Familiarity with Agile software methodologies (Scrum, eXtreme Programming, Kanban)
- Experience defining and prioritizing product features.
- Strong communication skills
- Have exposure to lightweight product development methods such as user story mapping and/ or rapid prototyping

**Required Skills:**

- Ability to work collaboratively with others and navigate complex decision making.
- Curious about new technologies and exhibit a strong desire to learn.
- Enthusiasm
- Hustle
- Grit

**Work Pattern Details:**

Ford Pro Tech is designed to operate as a fully remote organization. We occasionally come together in-person for collaboration, however if this collaboration requires travelers from out of town (SE Michigan) it is planned well in advance.

**Additional Info:**

Ford Pro Tech has several senior leaders who have progressed through Ford as FCGs to their current position. Our objective is to give you a challenging FCG assignment that will prepare you for a successful tech career.





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**Rotation ID:** 3,456

**Job Title:** Mobile Software Engineer

**Supervisor:** Sal Fragale

**Supervisor Email:** sfragal1@ford.com

**Positions Available:** 5

**Position Type:** Very Technical

**IT Organization:** Ford Credit

**Job Family:** IT Solution Design & Development

**Location:** Ford Credit Detroit West, MI

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Credit Digital Platform - Mobile Platform

**Department Description:**

Our Ford Credit Mobile Platform team is responsible to support, build new features and most importantly drive innovative features to our mobile applications. Our apps are pure native and built on SwiftUI (iOS) and Jetpack Compose (Android). We are looking for developers who have mobile experience and want to build a best-in-class Mobile Platform with awesome features that our customers will be delighted by.

**Position Duties:**

- Develops software with a paired partner to deliver user stories
- Develops automated unit tests with working software to confirm software functionality conformance to functional and non-functional requirements
- Implements tooling that monitors application performance metrics and automatically notifies team when a failure occurs in production
- Support production software operations and troubleshoots production issues
- Active participant in all agile ceremonies
- Collaborate closely with other Product Managers and Owners to ensure alignment and identify dependencies
- Communicate team status and timelines

**Desired Skills:**

- Familiarity with GitHub or equivalent source control repositories and Build Tools like GRADLE
- Experience with mobile development frameworks such as React Native, Angular, but even better would be native frameworks (Swift UI or Jetpack Compose)
- Code, test and implement application components in Java, web services and Java related technologies
- Knowledge and practical experience of Agile delivery
- Provide Agile artifacts associated with application components

**Required Skills:**

A desire to learn about building best in class mobile applications using the latest tools available. I am looking for forward thinking and driven individuals to help us enhance our platform and bring a unique perspective.

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## Work Pattern Details:

Flexible / Hybrid

## Additional Info:



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**Rotation ID: 3,329**

**Job Title:** Software Engineer

**Supervisor:** Sandeep Gopu

**Supervisor Email:** sgopu@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Fairlane Business Park V

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT M&S

**Department Description:**

The Assist Customer space provides technical solutions for global Contact Centers supporting dealer and consumer customers. The high-level vision for Assist Customer is to improve the customer experience by making customer and vehicle data readily available, enabling contact via channel of choice, and improving contact center agent efficiency. The Portfolio includes both legacy and new products and technology. The core GCCT technology stack includes Microsoft Dynamics 365, CafeX, Informatica, Astute, and both the Azure and PCF cloud environments.

**Position Duties:**

The Software Engineer will be responsible for understanding all technical and foundational aspects of GCCT, developing and implementing our technical roadmap, managing the relationship with 3rd party software vendors (including strategic product direction). This position will support exciting projects in the Global Contact Center Program and provide opportunities to learn technologies such as Microsoft Dynamics 365, Chatbot, Portal, and other Cloud Based technologies on a large global program. • Work on the design to integrate business capabilities into Microsoft Dynamics CRM • Configure and coordinate development of the system to meet the business needs • Assist with deployment and provisioning activities • Provide on-going support of custom applications and objects within Microsoft Dynamics CRM • Assist with technical support and incident problem solving • Serve as a Subject Matter Expert (SME) within all aspects of CRM software to include technical requirements, system configuration, user requirements, and system upgrades • Assist with business analysis during product release management • Assist with the evaluation of new technologies to integrate into CRM • Perform CRM application testing of configurations and customizations • Participate in analysis sessions to determine application requirements for new CRM implementations • Extend capability of CRM through creation of new entities, forms, Workflows and reports • Design business processes and integrations between Microsoft Dynamics CRM applications and other applications • Perform data



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migration activities

**Desired Skills:**

• Knowledge of MS Dynamics • Knowledge of enterprise level CI/CD automation will be an added benefit • Experience driving business change concurrent with new technology • Knowledge of Ford Customer Service Division (FCSD), Marketing and Sales, and/or Customer experience/Contact Center Business • Knowledge of Global CRM, Contact Centers, MPS, Ford Pass and related technologies (e.g. Case Management, Knowledge Management, Chat, Telephony) • Experience in Canvas Apps / Power Apps Portals (or ADX Studio Portals) • Experience in Azure Logic Apps / Power Automate (Cloud Flows) • Experience in Azure Active Directory (AAD) / oAuth 2.0 / MSAL • Experience in Azure Pipelines (DevOps) / YAML Pipelines (or GitHub Actions) Power Apps Component Framework / Power Platform CLI / Azure CLI • Experience in Azure Key Vault / Managed Identity • Experience in Azure Dashboards / Alert Rules / Kusto (Query Language for Data Warehouse) • Experience or Knowledge in Azure Key Vault / Managed Identity • Experience in MS Build / Custom Build Systems

**Required Skills:**

• Experience with Dynamics 365 • Experience with Azure Cloud • Experience with GitHub or git-based source control • Experience on Dynamics 365 CE, including SDK, Web API, Development of Plug-Ins, Custom Workflows, Power Automate, Custom Pages (React JS), Configuration Data Migration (Dataverse SDK), iPaaS / Azure Function Apps / Azure Service Bus and Integration Services, Customer Service Workspace • Hands-On Experience on .NET / C# / Visual Studio / ASP.NET MVC, Azure SQL Server / Data Export Service (or Azure Synapse) / SSIS (or Azure Data Factory)

**Work Pattern Details:**

1/2 day a week

**Additional Info:**



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**Rotation ID: 3,122**

**Job Title:** Cloud Relational Database Engineer

**Supervisor:** Sridhar Lakshminarayanan

**Supervisor Email:** slaksh10@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** IT Operations

**Job Family:** IT Operations

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** No

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Database Services

**Department Description:**

DB Services Department is responsible for production and new development support services for various Database Management Systems including Oracle, SQL Server, PostgreSQL, Spanner, Mongo, Redis, DB2 LUW, Progress, Oracle Application Server and Informix. Product Engineering activities include service owner adoption, evaluating features, identify gaps, POC testing, Automation efforts, Service Desk setup, certification, work with vendor support. Production support activities include: Database Monitoring and Maintenance, Incident Resolution, Problem Management (Root Cause Analysis), Routine Consumption & Performance Management, Customer Support/Help, Security and Controls, Infrastructure Support and Training. Development and Enhancement Services includes Database Design, Database Structure Changes, Data Migration to Support Development Activities, Implementation Planning/New Tech Assessments and DB Builds (Agile).

**Position Duties:**

Provide Google native/Open Source relational DB Engineering/Administration support including software evaluation, POC readout, software installation and patching, backup and recovery, monitoring and performance tuning. Work with customers to define and maintain an database environment for application development and testing. Assist in automating tools for planning and implementing database database and application changes. Assist in database problem identification and resolution. Provide the DBA liaison function to the Application Developers, Google vendor and the Business Customers. Evaluate new database products and features. Review and enforce database security and control policies. Participate in special projects that follow a typical systems development life cycle including requirements gathering, design, development, testing, and implementation, involving creation of internal processes and procedures, research, and the implementation of database systems.

**Desired Skills:**



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Basic understanding about clouds like AWS, Azure, or Google

**Required Skills:**

Strong written/oral English communication skills with ability to communicate effectively, team player.

Strong desire to learn new technology.

**Work Pattern Details:**

Attending daily standing up, backlog grooming, assisting customer/PDO teams, co-work with peer team members, signup for scheduled/unscheduled work helping team lead to share the workload, address tickets/incidents. contribute to service automation, peer-reviewing. attend in-person work weekly once at Rotunda center (RCTR as of now).

**Additional Info:**

For further information related to this position, please feel free to contact me/schedule meetings.  
thanks.



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**Rotation ID:** 3,438

**Job Title:** Software Engineer - Digital - Dealer Experience

**Supervisor:** Shweta Mane

**Supervisor Email:** smane4@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Dealer and Consumer Experience

**Department Description:**

The portfolio owns Dealer related applications. Current position is for Dealer Advisor application. Dealer Advisor is a responsive, web-based tool accessible on any device that enables Dealers to self-service both performance data and additional insights. Dealer Advisor has new features development as well as enhancements and some of the work items are in progress. If you are looking for a technical rotation and wanting to learn new and full stack technologies, this is the place for you!

**Position Duties:**

Dealer Advisor team is looking for engineers to help with the development, support and enhancements, new development of existing applications using Java, Spring boot, PCF, React, Micro Services, GCP, SSIS ETL, MSSQL etc. The candidate will work with IT and business teams to support the applications and deliver changes. The engineer will perform new feature development and enhancements, create/modify RESTful API's, develop new user-facing features using React typescript, translating design into high quality code, work on CI CD, write ETL data pipeline, will participate in code reviews at appropriate stages of development. The candidate should be highly motivated, be a self-starter, results oriented, and willing to learn new technologies/skillsets as and when required.

**Desired Skills:**

Experience in Agile programming practices such as pair programming, Test Driven Development (TDD) Exposure to cloud native technology such as PCF, GCP Some hands-on training/experience with React. Experience with Java, Spring boot Experience with CI CD Experience working with databases like MSSQL. Experience with front-end technologies such as TypeScript, React, CSS etc. Experience web service development using Restful service.

**Required Skills:**

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Experience on some of the technologies like Java, React, Spring boot, PCF, Microservices, GitHub and Jenkins. Good communication skills to interact with product team. Strong troubleshooting and problem resolution skills with commitment to quality and project timelines Strong interpersonal skills and ability to work individually and/or with a team.

**Work Pattern Details:**

Hybrid

**Additional Info:**





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**Rotation ID:** 2,971

**Job Title:** MS&S ECommerce Legal, Compliance, and Security Specialist

**Supervisor:** Susan Morrison

**Supervisor Email:** smorris2@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** IT Security & Controls Management

**Location:** Wagner Place West

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT M&S

**Department Description:**

The Marketing Sales & Service Ecommerce is an exciting and fast-paced area. This team is responsible for consumer facing “Shop and Buy” websites like Ford.com, Lincoln.com, etc. The Legal, Compliance, and Security (LCS) team supports Shop & Buy PDOs in obtaining the necessary education to code securely and use the corporate Security tools to build applications that are resilient to the latest Cyber Security attacks and data vulnerabilities. Will offer training within this position from internal and external sources to quickly build knowledge base in Legal, Compliance, and Security (LCS) disciplines. FCG will build personal skills in Security acumens that are highly sought after in marketplace.

**Position Duties:**

\* Manage independently the privacy responses for the department. Assist new applications to file appropriate legal surveys. Ensure teams identified by Ford Legal as having to comply to state specific privacy regulations (ie California Privacy Rights Act (CPRA), etc) comply with the actions requested by our legal department. Escalate to management as appropriate if teams are running behind schedule in their filings. \* Understand the reports generated by corporate implemented Security Tools and help teams remediate vulnerabilities found as requested. Current tools used in the space include Checkmarx SAST, FOSSA, Cymcode, SonarQube, and 42 Crunch. \* Track team plans to remediate vulnerabilities found within PEN testing, DAST testing, and Bug Bounty program. \* Help teams prepare for a system threat analysis executed by Ford's Central Cyber Security team. \* Execute department tracking of various central programs that may arise like tech renewals, migrations from PCF to GCP, etc as keeping infrastructure and software up to date is another means of security protection. \* Generate regular Metrics related to portfolio health in these areas \* Learn/ Manage LCS Sharepoint site and keep portfolio list updated monthly for urgent security related department communications \* Collaborate directly with product managers, designers, and business



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partners. \* Curate ECommerce Security related training materials for department (Degreed, Pluralsite, contribute articles for twice monthly newsletters, etc) \* Work on a pair programming team to develop, test code within a PDO team. Help teams set up automated test cases related to security (ie. Abuse Case Testing, etc) (30-40% of role)

**Desired Skills:**

\* Security related education \* Software engineering knowledge \* Highly effective in working with other technical experts, Product Managers, UI/UX Designers and business stakeholders \* Rally and Security tool experience (training offered otherwise)

**Required Skills:**

General Software Development education, Fast Learner

**Work Pattern Details:**

Work in office 1-2 days a week (currently Tuesdays minimally). Work onsite as required for PI Planning activities and other team events.

**Additional Info:**

If you would like to learn more, feel free to contact Susan Morrison (SMORRIS2)



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**Rotation ID: 2,799**

**Job Title:** Incident Management Analyst

**Supervisor:** Sravi Parlapalli

**Supervisor Email:** sparlapa@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Technology Service Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT Service Management

**Department Description:**

The Employee Experience department provides end to end support experience to ensure overall application SLA is supported by ITO service teams in the integrated way, includes the ITSM CoE to maintain operational consistency and rigor built across services. This FCG rotation is with the Global Incident Management (GIM) team who provides solution and best Practices to the IT Organization.

**Position Duties:**

\* Perform Incident follow-up, documentations and communications by working with IT Advisory owners. \* Participate in the IT daily operations review meeting and follow up based on the discussion during the meeting. \* Support Data center of the Future migration, including both pre-migration issues and post-migration incidents. \* Act as an escalation point for critical/high impacted incidents \* Lead Incident bridges with required ITO/PDO support groups and communicate the status with management. \* Work on SharePoint site that host the IT Advisory tool and Global Incident Reporting Board \* Produce IT Advisory reports and work on automations using Alteryx and QlikView. \* Onboard, develop and support EverBridge Notification System You will have an opportunity to work with other teams in the department (Change mgmt., Operation Process, Reporting teams) and have visibility to upper mgmt. on the regular basis.

**Desired Skills:**

Understand ITIL Process (Incidents, Problems, Changes...) Understand the key IT infrastructure components (Network, Storage, Database, Servers...) Office 365 tool sets Programming skills

**Required Skills:**

Positive attitude and customer service mentality. Strong written and verbal communication skills.

**Work Pattern Details:**

1 day a week in the Office

**Additional Info:**



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**Rotation ID: 2,760**

**Job Title:** Enterprise Technology Specialist

**Supervisor:** Swati Patil

**Supervisor Email:** spatil9@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Site Management and End User Support

**Location:** Research and Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** GLOBAL SERVICE DELIVERY

**Department Description:**

The Enterprise Technology organization is seeking a self-starter to join their dynamic team as an Enterprise Technology Specialist. This role will be responsible for delivering IT solutions and specialized site management services, application programming and development, and providing storage solutions to the Research & Advance Engineering sites primarily in Dearborn. The Enterprise Technology Specialist will work closely with a team of experts in Unix, Linux, Windows, network, HPC, storage, DB, Web, programmers, and VM to support over 150+ sites in Southeast MI.

**Position Duties:**

- Platform Support - Manage and support servers (Racking, Staging and maintenance). Managing licenses on the servers, security group and storage management
- Support computer hardware and operating systems, audit prevention and support, and computer backup support
- Provide IT site management, including end-user support, PC renewal process, Ubuntu support, and rack-mounted solution support
- Develop small-scale applications, including web development, programming, and PowerApps development
- Develop and support databases, including Oracle and SQL

**Desired Skills:**

- Progressive responsibility in IT with some level of programming skills, networking, and technology life cycle
- Some experience in project management and Microsoft tools (e.g. Excel & Macros)
- Bachelor's degree in Computer Science or related field preferred
- Work collaboratively with business and IT teams to innovate and change current state processes
- Own working together with business and IT teams to provide excellent networking skills and relationship building skills
- Demonstrate excellent communication skills, including verbal, written, and active listening
- Manage and administer SharePoint

**Required Skills:**

- Good communication and organizational skills
- Willingness to learn and adapt to new technologies



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and processes • Ability to work independently and as part of a team • Experience in managing and administering SharePoint

**Work Pattern Details:**

60-70% Onsite . Flexible start and end time

**Additional Info:**

The Enterprise Technology Specialist role offers an excellent opportunity to learn new skills and further develop existing ones. The unique opportunity to have a cross-functional objective with the business partner is also possible. For example, if the FCG has an engineering degree and would like a small assignment with the advance engineering team, this is possible.



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**Rotation ID: 2,658**

**Job Title:** Software Engineer

**Supervisor:** Shreekala Kutty

**Supervisor Email:** spilla12@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT PD

**Department Description:**

TDM is an application using industry standard ASAM-ODS to manage and enable efficient storage/access/search/retrieval of high quality physical test data which will help engineers to make quick decisions on the product. It is related to product Requirements/Assessments, Design Verification, Test request, Procedures, Prototype Planning, Test configuration and Correlation of test data and CAE data. TDM IT is looking for a Software Engineer focused on delivering software leveraging multiple programming languages and big data/cloud technologies. In this environment the Software Engineer is expected to embrace paired programming, developing working, tested code based on proven Lean/Agile methods. Engineers on the team work across the full stack of technologies to enable the highest priority work to be delivered. The Software Engineer will work in a big, cross-functional, and co-located team. The Software Engineer will collaborate directly and continuously with product managers and designers, and will release code early and often.

**Position Duties:**

Work hands-on with the team and other stakeholders to deliver quality software products that meet our customer's requirements and needs. • Work with design resources (internal and/or external) to ensure timely delivery of designs and assets to the development team. • Help innovate and iterate on agile processes and share our learnings

**Desired Skills:**

• Strong analytical and problem solving skills • Strong interpersonal skills and ability to work individually or as a member of a team • Strong oral and written communication skills • Experience with TDD, Paired programming.

**Required Skills:**

• Experience with J2EE, Angular JS and JQuery • Experience with HTML/JavaScript/XML/JSP/AJax server side Java-based environment • Knowledge of Oracle, Mongo DB, SQL procedures •

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Knowledge of PCF, GitHub, Jenkins, CI/CD

**Work Pattern Details:**

Two to three days a month and as required.

**Additional Info:**



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**Rotation ID:** 2,796

**Job Title:** Data Analyst - IT Business Operations

**Supervisor:** Sharon Taylor

**Supervisor Email:** stayl154@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Office of the Chief Enterprise Technology Officer

**Job Family:** ITS Strategy, Communications, Planning, and Project Management

**Location:** Information Technology HQ-C

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** IT Business Office

**Department Description:**

The IT Business Office implements processes, methods, and tools to manage financial reporting for IT operations and projects. This position is in Financial Strategy and Demand, where future year IT enterprise financial requirements are consolidated and governed, and current year IT financials are tracked and reported.

**Position Duties:**

(1) Learn about global IT at Ford Motor Company. (2) Acquire skills to use internal systems and analytical tools. (3) Assist in development and maintenance of financial dashboard by learning and using standard Ford development tools, QlikView / QlikSense and Alteryx. (4) Gain hands on experience with standard project management tools, planning best practices, budget setting, and financial forecasting to enable IT decision making. (5) Interact with global teams and executive management. (6) Be flexible to contribute to department projects as needed.

**Desired Skills:**

(1) Data analysis (2) Data representation (3) Effective written and verbal communication

**Required Skills:**

(1) Microsoft Excel (2) Attention to detail (3) Adaptability and willingness to learn new skills (4) QlikView/QlikSense and Alteryx preferred. SQL a plus.

**Work Pattern Details:**

Team-building sessions / workshops; otherwise remote.

**Additional Info:**

Looking for an outstanding FCG who is willing to learn with a can-do, positive attitude.





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**Rotation ID: 3,339**

**Job Title:** IT Vehicle Operations Analyst

**Supervisor:** Steven Torey

**Supervisor Email:** storey@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Product Management

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Manufacturing Quality Systems & Advance Technology

**Department Description:**

QLS-VO (Quality Leadership System - Vehicle Operation) is a technology system for plants to manage quality within the Vehicle Operations (Assembly) Plants. The system is designed to improve quality by providing a high-integrity, single-source of on-line quality information by Vehicle Identification Number (VIN). Our team is responsible for end-to-end development and maintenance of the QLS-VO application. • Support the application at all the Assembly Plants Globally. • Develop the desktop client application for enhancements based upon the customers' requirements. • Develop the web client application for enhancements based upon the customers' requirements. • Test and validate external system communications to the QLS-VO application • Starting to launch Dynatrace Monitoring tool for the application.

**Position Duties:**

This rotation will allow you to experience and understand building dashboards to monitor a the QLS-VO application that is used globally at all the Ford Vehicle Operations Plants. Most of the assembly plants QLS-VO application, along with the database servers, reside in each of the plant's computer room. • Work on a global Dashboard for monitoring the QLS-VO application. • Dashboard will monitor the following: • Process and services • CPU and Memory • Monitor temporary tables • Application response time Each plant will have their own dashboard.

**Desired Skills:**

• Excellent networking skills and relationship building skills • Proven ability to 'own working together' with global IT team • Passion for building functional and technical excellence

**Required Skills:**

• Strong interpersonal skills • Technical writing skills

**Work Pattern Details:**

Fully remote, with the exception of being at a plant a few times to see how the QLS-VO application

# Fall 2023 - ET FCG Rotation List

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works within the plant.

**Additional Info:**

Please feel free to contact Steven Torey (STOREY) or Kevin Bartholomew for additional information.



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**Rotation ID: 3,186**

**Job Title:** Software Engineer

**Supervisor:** Timothy Balogh

**Supervisor Email:** tbalogh5@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Regent Court

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Marketing, Sales & Service+

**Department Description:**

As a part of the Customer Experience IT team focused on the Global Contact Center Technology, we are responsible for the capabilities and platforms that enable out contact center agents and dealers to engage with our existing and potential customers to answer inquiries and resolve issues with efficiency and have all the data available. The Channel Foundation PDO team is responsible for the tools and capabilities that enable how our agents communicate with our customers, such as web and mobile messaging, voice, and SMS. One of the fun parts about our team is we are 1 step away from the customer, in that all our technology is used by our Ford customers. We have a direct impact on the customer experience.

**Position Duties:**

As a Software Engineer, you will be responsible for collaborating with our team (Product Owner, Product Manager, and fellow Software Engineers) to design, build, test, and deploy new and updated capabilities across all channels. You will create test plans for the user stories that you own and demo your completed work to our Product Owner for acceptance. You will assist with production incidents by engaging with the customers and triaging issues. You will have the opportunity to be responsible for production launches, deploying critical capabilities to our customers, agents, and dealers.

**Desired Skills:**

An understanding of Design Thinking and Customer Experience. A team player with "Outside the Box" thinking Basic proficiency with HTML/CSS

**Required Skills:**

Experience using JavaScript / C# An understanding of Agile Development Methodology. A CAN DO attitude and a willingness to learn.

**Work Pattern Details:**

For those located in MI, we try to get into the office 1-2 times per week to have collaborative



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discussions with our product owners and agents. Our team is spread out across the US as well as in India, so we continue to support remote work a majority of the time and have the flexibility to accommodate the individual.

**Additional Info:**

We're an energetic team that loves working together, having fun, and delivering incredible capabilities for Ford. If this sounds like a great working environment for you, we're excited to have you



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**Rotation ID:** 3,212

**Job Title:** Public Cloud - Google Cloud Platform Engineer

**Supervisor:** Thomas Brandon

**Supervisor Email:** tbrando7@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Public Cloud

**Department Description:**

Cloud Platforms has one of the best programs to learn the inner workings of the Ford tech environment. You'll be able to learn, touch, use, and directly affect the techs and tools used throughout ITO, PDO, & Mobility. Our multi-track FCG program also provides options for FCG's to rotate into other technologies and roles within our Cloud Platforms department in the future. The FCG will develop strong cloud platforms expertise, deliver software using DevOps practices, work in Agile teams and get key experiences with multiple cloud technologies in Ford. The FCG will also gain skill sets around DevOps Tool Chain sets (Git, GitHub, Tekton, Terraform, etc.). The FCG will be well positioned to continue on Cloud Platform career path if they so choose. The FCG has the option to continue in Cloud Platform with additional rotations or post-FCG assignments. Cloud Platform Engineer FCG will spend the rotation in one or more focus areas within the Cloud Platform track. In this rotation, FCGs will learn multiple cutting-edge cloud technologies while helping transform the future of Ford's infrastructure solutions to near instant provisioning of compute, network, storage, and database. Focus areas will be selected based on FCG's interest. We are looking for people willing to learn and we understand the list of skills may be intimidating. If you don't think you have the skills, DON'T WORRY – we will work with you. We want to make this rotation beneficial to you and ensure you are learning and enjoying your work. Examples of Cloud Platform technologies: Google Cloud Platform, Google Cloud Platform native services, Openshift, API Tools, Terraform, Tekton, compliance, Cloud Ops, Github, and local dev environment.

**Position Duties:**

The Public Cloud GCP Operations team is responsible for the development of solutions in Cloud Platform's public cloud infrastructure, particularly Google Cloud Platform (GCP). This role will be focused on working with Ford service and application teams' requests and questions on proper design, validation, and implementation of their solutions in GCP. This role does NOT require any



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previous Cloud or DevOps experience – we will teach you! • Learn about Google Cloud Platform and how Ford is leveraging it. • Gain expertise in DevOps software delivery practices and experience in applying it to deliver cloud solutions, using GitHub, Terraform, and both Tekton and Cloud Build CI/CD Pipelines. • Work closely with customers (GDIA, Ford Pro, Model E, Ford Credit, Manufacturing) to address their needs and craft solutions. (Great way to learn about different initiatives across the company!) • Develop in-depth knowledge of company's existing IT cloud architecture, infrastructure, and technology portfolio. • Work closely with ITO Security, Cloud Security and Cybersecurity teams to implement security hardening measures and address vulnerabilities. • Conduct research on emerging cloud technologies (e.g. GCP services) in support of infrastructure development efforts and recommend technologies that will increase cost effectiveness and infrastructure flexibility.

**Desired Skills:**

• Programming or scripting experience • Good organization skills and attention to details • Strong oral and written communication skills, including presentation development and general consulting • Ability to communicate technical concepts to others who may not have the same level of technical depth

**Required Skills:**

• Some programming/scripting knowledge (school or otherwise) • Strong desire to learn and make a difference • Motivated self-starter with ability to operate independently • Analytical skills to solve problem using critical thinking

**Work Pattern Details:**

Hybrid - 1 day per week in office

**Additional Info:**

This position is an outstanding opportunity to be involved with one of most prominent projects at Ford – Google Cloud Platform. In 2021, Ford and Google signed a multi-year / multi-million-dollar agreement. Great way to learn about the latest in cloud technologies and some of the key projects that are bringing to life to the Ford+ plan. The technical and soft skills you polish in this rotation will pay dividends for years wherever you end up in Ford IT.



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**Rotation ID:** 3,406**Job Title:** ETL & Data Visualization Developer**Supervisor:** Thomas Jackson**Supervisor Email:** tjacks13@ford.com**Positions Available:** 1**Position Type:** Technical**IT Organization:** IT Staffs**Job Family:** IT Solution Design & Development**Location:** Rotunda Center**Company:** Ford Motor Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** Bi-weekly**High Tech, High Demand (HTHD) Position?** No**Department:** IT Staffs - Ford Land**Department Description:**

The IT Staffs Ford Land department is responsible for overall IT portfolio management for the Ford Land organization. Ford Land owns and operates several million square feet of corporate and commercial office space globally. Currently, the Ford Land team is engaged multi-year effort to revitalize and transform the corporate campuses globally into modern, green, high-tech campuses that foster innovation and collaboration. The Ford Land team is focused on transforming the workplace environment and how employees work at Ford Motor Company.

**Position Duties:**

This position involves working with the Ford Land team to develop dashboards and reporting using ETL and Data Visualization tools to provide insights to assist Ford Land in making data driven decision about Ford's real global estate portfolio. This role provides exposure and engagement with IT and Business leadership. The things you will learn in this assignment will provide a strong foundation for future positions elsewhere in IT. You will gain an understanding of the core business functions of a real estate organization such as Ford Land. Examples of potential tasks for this assignment include:

- Gathering and documenting business requirements
- User Story Development
- Systems Design
- ETL Development
- Data Modeling
- Data Visualization Development
- Testing and Validation

**Desired Skills:**

- Self-starter with a passion and willingness to learn and build business acumen
- High level knowledge of Alteryx and QlikSense
- Understanding of RESTful API
- Basic Microsoft Tools (Excel, PowerPoint, Visio, SharePoint)
- Some Application Development experience
- Agile

**Required Skills:**

- Structured query language (SQL)
- Ability to build and maintain good business relationships
- Ability to work effectively as a part of a team and independently
- Strong written and verbal communications

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## **Work Pattern Details:**

Our IT team currently meets on-site 1 day every two weeks for collaboration

## **Additional Info:**





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**Rotation ID: 2,811**

**Job Title:** Dearborn Engine Plant Systems Analyst Engineer

**Supervisor:** Tina Johns

**Supervisor Email:** tjohns4@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Site Management and End User Support

**Location:** Dearborn Engine and Fuel Tank Plant

**Company:** Ford Motor Company

**Work From Home Flexibility:** Site-dependent

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** No

**Department:** Site IT Manufacturing Plant Floor Analyst

**Department Description:**

Dearborn Engine Plant IT supports the infrastructure and systems operations for the plant. This department is a dynamic team of individuals supporting 2 Engine lines building engines for the Escape, Explorer, Corsair, Mustang and F150 Raptor. The team ensures that all of the technology systems and infrastructure involved with making these engines at the leanest and highest quality production. The team works closely with other facilities in Powertrain, Vehicle Operations and Stamping to ensure that systems are running efficiently and continuously without error. The facility was built in 1941 and is a part of Ford history. It is a great place to gain familiarity with the products and services that we produce and gain an understanding for the manufacturing business and all of the people involved with getting these engines into the various assembly Plants. This is a great experience for any employee.

**Position Duties:**

Each analyst is cross trained for support of all applications to ensure flexibility and coverage across shifts. The analysts provide the first-level level of support for manufacturing applications within the plant and assist across the complex if needed. Each analyst works directly with our business customer to ensure that our systems are delivering to the agreed upon specifications and work to maintain production up time. We apply continuous cross-training in areas of network infrastructure and support and we as new technology. The team supports various technology devices such as handheld scanners, iPad's, iPhones, Dell tablets, digital boards, mobile radio terminals, and various servers and computer room devices.

**Desired Skills:**

Willingness to understand Manufacturing and Plant Floor applications, processes and systems. Desire to learn various technical skills including networks, PC's, servers.

**Required Skills:**



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Ability to troubleshoot and to think logically through problems for quick resolution to issues. Excellent verbal and written communication skills.

**Work Pattern Details:**

on-site

**Additional Info:**

This is a great role to get hands-on knowledge on how all of the manufacturing departments within Ford connect. The position offers a great opportunity to gain an understanding on what Ford as a company does in building the best products and services in the world. The experience will provide a vehicle that helps to train people to think on their feet and troubleshoot production issues. This will help in creating time management and prioritization skills. Also, the role will provide a great experience working with the customers as they sit right next to you all day every day and can provide feedback real-time. Working in the plant is one of the best experiences an employee could encounter.



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**Rotation ID:** 3,038

**Job Title:** eCommerce Software Engineer

**Supervisor:** Thomas Kopczynski

**Supervisor Email:** tkopczy1@ford.com

**Positions Available:** 2

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** IT Business Innovation Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Fully Remote

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:**

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT M&S

**Department Description:**

IT M&S is creating innovative digital products that are changing how consumers interact with the Ford brand(s) and products thus evolving the Ford consumer experience. Here's your chance to be at the forefront. This rotation specifically places candidates within the eCommerce Marketplace Portal (EMP) PDO team. EMP is an exciting, challenging and fast-paced product space which operates within the eCommerce program. EMP itself is a dealer-facing portal which enables dealer's online sales capabilities for electric and ICE vehicles such as Mach-E and F-150. Not only are we disrupting the traditional sales model, but are key in exciting new vehicle launch programs. Join the eCommerce EMP team as we change the way the world moves!

**Position Duties:**

- Work with product managers, product designers, fellow software engineers, and product owners to release software early and often
- Develop and support automated testing scripts
- Develop and support backend microservice APIs
- Develop and support frontend web software on React framework
- Collaborate closely with architects, anchors and other product teams to devise solutions and break them down into incremental production-ready user stories
- Pair with other software engineer to deliver user stories that contribute to working software
- Use Test Driven Development (TDD) methodology to realize technical solutions
- Share support responsibilities

**Desired Skills:**

Experience with Java, ReactJS, Springboot

**Required Skills:**

Some degree of previous full stack (front-end and back-end) software development

**Work Pattern Details:**

Fully remote, may have occasional offsite or office meet-up

**Additional Info:**

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This is a fun and exciting space unlike any other in Ford!



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**Rotation ID:** 3,424

**Job Title:** Software Engineer

**Supervisor:** Tafaheem Shaik

**Supervisor Email:** tshaik@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** Product Development Center (747)

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Product Development - IT

**Department Description:**

The Product Development IT department is responsible for designing, developing, and maintaining software applications and systems that support the organization's products and services for the Vehicle Bill Of Materials Domain . The department works closely with business stakeholders to understand their requirements and translate them into technical solutions that meet their needs. Developing software applications and systems that meet business requirements and are scalable, reliable, and secure. Some of the key responsibilities of the Product Development IT department include: - Managing the full software development lifecycle, from requirements gathering and design to testing, deployment, and maintenance. - Working closely with business stakeholders to understand their needs and translate them into technical requirements. - Collaborating with other IT departments and external vendors to integrate systems and applications. - Ensuring that all software applications and systems are compliant with industry standards, regulations, and best practices. - Providing technical support to end-users and troubleshooting issues as needed. - Continuously monitoring and improving software performance, security, and usability. - Staying up-to-date with emerging trends and technologies in software development and applying them to improve existing systems and applications. Overall, the Product Development IT department plays a critical role in enabling the organization to deliver innovative products and services to customers.

**Position Duties:**

- Work closely with cross-functional teams to design, develop, and maintain EBOM Management Systems.
- Utilize Google Cloud and machine learning technologies to enhance data processing, analysis, and decision-making capabilities.
- Architect and implement scalable system architectures to support complex EBOM interfaces with other workstreams such as Purchasing, Manufacturing & Marketing
- Develop robust software applications using Java, ensuring code quality and performance.
- Design, implement, and maintain microservices-based solutions for optimal scalability and flexibility.



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- Create, document, and maintain RESTful APIs to enable seamless data communication within and outside of the EBOM ecosystem. - Stay up-to-date with industry trends and emerging technologies to drive innovation in EBOM Management Systems.

**Desired Skills:**

- Good understanding of Software Development Life Cycle - Experience or familiarity with Google Cloud technologies, including Google Cloud Platform (GCP) services. - Knowledge of machine learning concepts, MLOps and the ability to apply them to data-driven solutions.

**Required Skills:**

- Bachelor's degree in Computer Science, Software Engineering, or a related field. - Experience/ understanding in Java/Python programming language. - Understanding of microservices architecture principles and best practices. - Understanding/Experience with developing RESTful APIs and CI/CD Pipelines - Strong problem-solving and analytical skills. - Excellent communication skills and a collaborative mindset. - Eagerness to learn and adapt to new challenges in the EBOM Systems domain.

**Work Pattern Details:**

Hybrid working pattern - Quarterly on site team building - Occasional onsite Iteration /Release Planning meetings

**Additional Info:**



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**Rotation ID: 2,868**

**Job Title:** Product Designer - Google Cloud Platform

**Supervisor:** Thomas Woods

**Supervisor Email:** twoods19@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Product Design and UX Design

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** NA COMP OPRNS MGR

**Department Description:**

This unique Cloud Platform Engineer Track is designed for FCGs to gain expertise in multiple cloud technologies and apply the knowledge to deliver projects. The distance between imagination and creation. It can be measured in years of innovation, or in moments of brilliance. When you join the Ford team, you discover all the benefits, rewards and development opportunities you'd expect from a diverse global leader. You'll become part of a team that is already leading the way, with ingenious solutions and attainable products – and it is always ready to go further. After this rotation, the FCG will have hands on experience on applying cloud technologies in Ford as well as overall Cloud Platform strategy. The FCG will develop coding expertise, deliver software using DevOps practices, work in Agile teams and get key experiences with multiple cloud technologies in Ford. The FCG will gain skill sets around DevOps Tool Chain sets (JAVA, SpringBoot, Git, Jenkins, CHEF, Habitat, VMWare, etc). The FCG will be well positioned to continue a Cloud Platform career path if they so choose, with additional rotations or post-FCG assignments in the organization. Cloud Platform Engineer FCG will spend the rotation in one or more focus areas within the Cloud Platform track. In this rotation, FCGs will learn multiple cutting-edge cloud technologies while helping transform the future of Ford's infrastructure solutions to near instant provisioning of compute, network, database, and cloud services. Focus areas will be selected based on FCG's interest as well as cohesive assignment availability

**Position Duties:**

Assignment: Ford Cloud Portal [cloudportal.ford.com](https://cloudportal.ford.com) is migrating to <https://centralstation.ford.com/> explore, help us do this by using design thinking principles to conduct interviews, run experiments and develop user interfaces. You will be working with experienced designers. • Represent the user's perspective throughout the product lifecycle - from problem discovery, solution ideation and validation through iterative development and delivery. • Maintain a user-centered approach in design



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perspective and practice. • Guide product decisions through user research and iterative feedback loops • Collaborate with business partners, product managers, developers and fellow designers. • Facilitate and lead design thinking sessions with various technical and non-technical stakeholders • Help product managers assess and prioritize opportunities and constraints. • Rapidly iterate design prototypes and working applications. • Conduct user testing, interviews, and analysis. • Develop visual identity systems, data visualizations, visual design, illustrations, etc. • Produce materials for business partners and developers, including user flows, wireframes, mockups, live style guides, and assets. • Provide mentoring, teaching, and leadership to fellow designers and team members.

**Desired Skills:**

Someone who desires to design websites and portals that ITO end users will love. You will be successful when an end user expresses joy and delight when using an updated or new UI that you designed. I have seen it happen, remember you are transforming difficult, confusing and sometimes arduous experiences into fun and joyful ones.

**Required Skills:**

See desired skills above.

**Work Pattern Details:**

Hybrid

**Additional Info:**

Please talk to the FCGs who held this position previously, or contact me [twoods19@ford.com](mailto:twoods19@ford.com), I always like talking to perspective FCGs!!! Also if you are up to it I will invite you to a team stand up so you can meet the team first!!!!





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**Rotation ID: 3,273**

**Job Title:** GCP Data Engineer

**Supervisor:** Ujwala Bandi

**Supervisor Email:** ubandi@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Global Data Insights & Analytics (GDIA)

**Job Family:** IT Solution Design & Development

**Location:** Wagner Place East

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** GDIA - Product Engineering & Management

**Department Description:**

Customer360 - Ingest all Customer related data sources into an Enterprise Data Lake and transform/curate them into a foundational Warehouse in the Data Factory to provide a source of Customer data (Single Customer View) for analytical, visualization, and predictive algorithmic use cases, ensuring data quality and reliability for enterprise data users.

**Position Duties:**

Design, and build a re-usable data management system for processing both batch and real-time streaming on GCP by building data warehouse and data marts required, while assuring low latency, high throughput, availability, durability, stability, and scalability. You will be part of a product team working product owners/ Product Managers in prioritizing the work on applying data engineering principles on the Google Cloud Platform to optimize its services. As a Google data engineer, you will also have to collaborate with engineers, marketing teams, product managers etc. These collaborations will help you to identify customer behavior and enhance network structure optimization accordingly. • Working with large datasets and solving difficult analytical problems is a primary task of a Google data engineer. • Conducting end-to-end analyses, including data collection, processing, and analysis. • Building prototype analysis pipelines to generate insights. • Developing comprehensive abilities for Google data structures and matrix for upcoming product development and sales activities is also a crucial task for Google data engineers. • Finding trends in data sets and developing an algorithm to make raw data more useful across teams. • Designing, building, operationalizing, securing, and monitoring data processing systems on Google Cloud Platform. • Deploying, leveraging, and continually training and improving existing machine learning models. • Identifying, designing, and implementing internal process movements • Automating manual processes to enhance delivery. • Meeting business objectives in collaboration with data scientist teams and key stakeholders. • Creating reliable pipelines after combining data sources. •



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Designing data stores and distributed systems.

**Desired Skills:**

Tools and Technologies: Google Cloud Platform: Data Flow, Cloud Run, Big Query, Pub/Sub, Cloud Logging and cloud Monitoring etc Infrastructure as code: Terraform / GitHub ELT Framework: DBT Orchestrator/ Schedule: Astronomer/Airflow Programming Language/ Scripting Java/ python, Shell scripting IDE: VS code/ Eclipse etc Agile Software: Rally

**Required Skills:**

**Work Pattern Details:**

Once/twice a week required.

**Additional Info:**



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**Rotation ID:** 1,776

**Job Title:** Product Development Application - Java Developer

**Supervisor:** Vinod Atmakur

**Supervisor Email:** vatmakur@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Product Development

**Job Family:** IT Solution Design & Development

**Location:** iTek Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Quarterly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Product Development Bill of Material Systems

**Department Description:**

The Product Development Bill of Material Systems departments is responsible for developing an integrated suite of tools for bill of material authoring and change management. The suite of tools are designed to support engineering activities in the early product development lifecycle stages and serve as the enterprise source for bill of material information as it matures throughout the remainder of the product lifecycle.

**Position Duties:**

It's a developer role working with various technologies including Java (JSP, JSF/PrimeFaces), AI/ML, Databases (Oracle/SQL Server) and some Microsoft Technologies:

- Create next-generation, strategic Bill of Material Change Management solution to enable global engineering business process while addressing high-hurts in today's process.
- Combine in-depth knowledge of core PD business (Bill of Material and related functions) with technical excellence in AD disciplines (e.g., architecture, data model, Ford Java Frameworks, user interface, service creation and consumption, exception technology) required to guide the development of a cohesive Change Management solution.
- Leverage business and technical acumen to create effective interfaces between Strategic Change Management solution and several PD systems (e.g., BOM authoring, BOM Foundation, TeamCenter PLM).
- Act as a translator, facilitator, and mediator to create synergy among the broader team (e.g., various IT shared services, IT roles, IT functions) so as to align participants on deliverables, implementation approaches, and priorities.

-Opportunities to innovate and apply AI/ML technologies to solve business problems and come up with efficient solutions

**Desired Skills:**

Ability to understand Datamodels and good SQL writing skills

**Required Skills:**

Programming skills in Java, AI/ML technologies



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**Work Pattern Details:**

Quarterly in-office for team building/design sessions, otherwise fully remote

**Additional Info:**

Have you ever wanted to learn about the engineering domain? Are you interested in how Ford takes futuristic concepts and brings them to market? Want to learn how to coordinate and manage the activities of 100 people across 8 teams? Then this job is for YOU!



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**Rotation ID:** 3,124

**Job Title:** Software Engineer: Customer & Account Management

**Supervisor:** Vincent Ceccarelli

**Supervisor Email:** vceccare@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** PBT: Software Engineer

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Customer and Account Management

**Department Description:**

Software Engineers in the Ford Credit Customer & Account Management Portfolio develop customer and account APIs that contribute to many Ford Credit products. It provides the opportunity to learn technologies/channels such as Fidelity Information Systems - Lending Automotive, Microsoft Dynamics 365, Telephony IVR, Ford Credit Account Manager, Mobile App and others that are core to Ford Credit's business. In this rotation, you'll have the opportunity to apply your education as well as continue your growth as a Software Engineer. At the start of your rotation, you will participate in an Engineering Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will not only introduce you to our software craftsmanship principles, but it will also provide a business overview so you can connect your work to value to provides. We employ paired programming to create Test Driven Development (TDD) services. Software Engineers primarily use Pivotal Cloud Foundry (PCF), GCP, Angular, Dynatrace, Spring Boot, GitHub, Postman, Jenkins, Swagger and more in a fast paced, collaborative working environment.

**Position Duties:**

- Develop software with a paired partner to deliver user stories - Develop test-driven software that confirms software functionality to functional and non-functional requirements - Implements tooling that monitors application performance metrics, and automatically notifies team when a failure occurs in production - Support production software operations and troubleshoots production issues - Active participant in all Agile ceremonies

**Desired Skills:**

- Object oriented development background Java/J2EE - Familiarity with GitHub or equivalent source control repositories and Build Tools like GRADLE - Experience with API back-end development; JavaScript, client-side frameworks like Angular, React, etc. - Code, test and implement application components in Java, web services and Java related technologies - Knowledge and practical



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experience of Agile delivery - Provide Agile artifacts associated with application components - Domain Drive Design experience; Hexagonal architecture experience

**Required Skills:**

- Practitioner in at least 1 object oriented coding language - Strong analytical and problem solving skills - Willingness to continuously learn - Team player who collaborates well with other

**Work Pattern Details:**

2-3 days in office. Details still TBD.

**Additional Info:**

Ford Credit's Technology & Software Platform (TSP) team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We work to create an environment of continuous learning and FUN! The product teams work together not only to deliver but ensure we are following good software craftsmanship and Agile practices.



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**Rotation ID: 2,610**

**Job Title:** Software Engineer - Digitization of Vehicle Distribution (CAM)

**Supervisor:** Venkat Kishore Doddamreddy

**Supervisor Email:** vdoddamr@ford.com

**Positions Available:** 1

**Position Type:** Very Technical

**IT Organization:** Industrial System IT - Manufacturing & Supply Chain

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT MANUFACTURING

**Department Description:**

Digitization of Vehicle Distribution - Manufacturing Vehicle Logistics supports Finished Vehicle Logistics for the timely delivery of manufactured vehicles from plant to the customer. The solution provides the business with near real time vehicle traceability, and enables proactive intervention to deliver improved network speed and logistics provider efficiency. The Corrective Action Management product will be focused on improving the connected vehicle integration with external and internal partners, alerting and notifying operations when KPI thresholds have been exceeded, and integrating SpotBuy/Diversion information to generate new route plans. 2024 is going to be a very exciting year.

**Position Duties:**

- Work collaboratively with Product Team to design, code & deliver features in the Corrective Action Management PDO.
- Implement design and J2EE code in accordance with Ford IT standards.
- Develop and execute unit test, integration plans and scripts to validate application features.
- Work with others (e.g. Operations, Product Designer, Software Engineer) to prepare and stage production builds, and verify production releases meet technical and business expectations
- Recommend and lead initiatives to improve Team Agile capabilities and assist with team evolution to Product Driven Organization.

**Desired Skills:**

- Experience in J2EE application development
- Understanding of Testing Strategies & Processes, including Test Driven Development
- Knowledge and understanding of Ford's security and controls requirements and processes
- Ability to build and foster strong working relationships with global business partners, IT colleagues, and vendor teams.
- Strong written and oral communication skills
- Continuous improvement mindset
- Experience with Ford Agile Framework and/or Product Teams
- Strategic thinker (think beyond day-to-day activities)

**Required Skills:**



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• Language & Technologies: JRE 1.6 & 1.8, J2EE with JSF, Web Services (SOAP & RESTful), PCF Microservices • DB: SQL Server • Frameworks: Jenkins, EclipseLink, JUNIT, Caching Frameworks, Job Scheduling & Timer Frameworks • Development Methods: o Test Driven Development (TDD) & Continuous Integration. o Batch Processing & near Real Time Data processing projects. o Domain Driven Design. • PCF v2.0 with Springboot and Liberty suite • GitHub • Jenkins

**Work Pattern Details:**

Most of team is fully remote, but there will be optional opportunities to be in the office for collaboration, team building.

**Additional Info:**

Between the competing objectives of delivering a vehicle as fast as possible against the requirement to deliver a vehicle as cost effective as possible -- sits vehicles that sometimes don't travel to their final destination according to their original plan. It is the responsibility of the MVL products to work in concert to deliver trace and traceability, and a trustworthy ETA. Consider the possibilities when we're using connected vehicle data and alerting the team to improve operations and meet the needs of our business partner by contributing to the value of this product on this dynamic team.





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**Rotation ID:** 3,459**Job Title:** Software Engineer**Supervisor:** Venkatesh Donthy**Supervisor Email:** vdonthy@ford.com**Positions Available:** 2**Position Type:** Very Technical**IT Organization:** Ford Credit**Job Family:** IT Application Management**Location:** World Headquarters Building**Company:** Ford Motor Credit Company**Work From Home Flexibility:** Hybrid**Onsite Work Required?** Yes**Frequency of In Person Collaboration:** 1-2 days per week**High Tech, High Demand (HTHD) Position?** Yes**Department:** FinSimple**Department Description:**

Ford Credit Commercial is a group of passionate Software Engineers, Product Designers, and Product Managers dedicated to building the future of the commercial web experience at Ford Credit. We love to iteratively build and ship high-quality software products to help Ford Credit's commercial customers. Through the principles of Human-Centered Design and eXtreme Programming, our teams operate in a continuous build-measure-learn cycle to ship working, tested software at market speed. As a Software Engineer, you will be part of a growing team of like-minded engineers who utilize pair-programming, test-driven development, and CI/CD to continuously ship code to production. You'll primarily work in a tech stack of React + TypeScript and Kotlin + Spring Boot. You will learn and grow through hands-on experience writing and shipping code daily. As a remote team, we leverage a variety of collaborative tools like Github, Slack, VS Code, IntelliJ, and InVision to work together well as a team. At the start of your rotation, you will be able to participate in an Engineering Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will not only introduce you to our software craftsmanship principles, but it will also provide a business overview so you can connect your work to value to provides.

**Position Duties:**

- Develops software with a paired partner to deliver user stories
- Develops automated unit tests with working software to confirm software functionality conformance to functional and non-functional requirements
- Implements tooling that monitors application performance metrics and automatically notifies team when a failure occurs in production
- Support production software operations and troubleshoots production issues
- Active participant in all agile ceremonies

**Desired Skills:**

- Object oriented development background Java/J2EE
- Familiarity with GitHub or equivalent source control repositories and Build Tools like GRADLE
- Experience with API back-end development;



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JavaScript, client-side frameworks like Angular, React, etc. • Code, test and implement application components in Java, GraphQL, web services and Java related technologies • Knowledge and practical experience of Agile delivery • Provide Agile artifacts associated with application components

**Required Skills:**

- Practitioner in at least 1 object-oriented coding language
- Strong analytical and problem-solving skills
- Willingness to continuously learn
- Team player who collaborates well with others

**Work Pattern Details:**

This is a hybrid position that required in-office presence once a week and additional on-site attendance for crucial team or organization meetings when necessary.

**Additional Info:**

committed to providing exciting development opportunities, intentional mentorship and technical coaching experience. We work to create an environment of continuous learning and FUN! The product teams work together not only to deliver but ensure we are following good software craftsmanship and Agile practices.



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**Rotation ID:** 3,402

**Job Title:** In Vehicle Software Release Process - Product Manager

**Supervisor:** Venkat Jakka

**Supervisor Email:** vjakka@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** Industrial System IT - Product Development

**Job Family:** ITS Product Management

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Vehicle Software Systems Engineering

**Department Description:**

Vehicle Software Systems Engineering (VSSE) is a product driven organization responsible for managing vehicle electrical, electronics and software artifact lifecycle management. f

**Position Duties:**

As In-Vehicle Software Release Product Manger working with several product teams, understand a problem space, ideate, and validate an ideal solution, and deliver an MVP that routinely evolves through user and stakeholder feedback. • Responsible to Facilitate process discovery collaborating with several cross functional product teams to articulate and document current (FNV2/3) In-Vehicle Software Release process at End-Of-Line and Service. • Work with key stakeholders to identify current process gaps and identify product enhancements to close the gaps. • Creatively identify and communicate with potential customers impacted by the change, define their needs, and identify hypotheses for testing. • Deliver incremental value by making smart, decisive tradeoffs using data-driven analysis and sound judgment. • Develop and test product hypotheses, working in a lean and iterative way. • Create assets to guide product development work (Discovery + Framing documents, opportunity trees, user stories for implementation). • Be responsible for outcomes by setting clear goals and measuring key results.

**Desired Skills:**

- You are independently driven, resourceful, and able to deliver results with minimal direction.
- Exhibit excellent communication skills. Must be comfortable presenting to customers and internal audiences.
- Comfortable presenting to and interacting with vendors, customers, and senior leadership.
- You are a champion for collaborative, iterative product discovery, and embrace your role as a member of a cross-disciplinary team.
- Have exposure to lightweight product development methods such as user story mapping or rapid prototyping.
- Bring curiosity about new technology and exhibit a strong desire to learn.
- Exhibit user empathy and seek their input at all stages of the product



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life cycle. • Experience working in Lean, human-centered, agile software development

**Required Skills:**

Bachelor's degree in electrical engineering or computer Science with embedded software / In-Vehicle Software domain experience. • 1+ years of facilitating workshops or ceremonies such as defining/ redefining the project's objectives or requirements, setting key milestones, managing roadmaps, prioritizing competing projects, discovery any roadblocks, sprint planning, daily stand-ups, sprint review, and/or sprint retrospective. • Experience with progressive responsibilities in software development • Experience defining the product vision, strategy, and product roadmaps and creating and managing backlogs

**Work Pattern Details:**

Weekly - in-office, 1 day, otherwise fully remote.

**Additional Info:**



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**Rotation ID:** 3,248

**Job Title:** Software Engineer- Ford Credit Dealer Management team

**Supervisor:** Vincky Khanna

**Supervisor Email:** vkhanna1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Ford Credit TSP

**Department Description:**

The portfolio owns Dealer related applications used by Ford Credit. A lot of changes and enhancements to the applications are planned and in progress, as a result of the various technological modernization and transformation efforts across the organization. If you are looking for a technical rotation and wanting to learn new technologies, this is the place for you! This position is on the FCNA Dealer Data team. At the start of your rotation, you will be able to participate in an Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will introduce you to our software craftsmanship principles/Agile practices and provide a business overview so you can connect your work to value it provides.

**Position Duties:**

The TSP Dealer Data team is looking for engineers to help with the development, support and enhancements of Dealer Services applications using Java, Springboot, PCF, Angular, Micro Services, GCP, GraphQL etc. The candidate will work with multiple IT and business teams located in Dearborn US to support the Dealer Services applications and deliver changes, modernizing the existing Dealer Data UI using Angular, create APIs to integrate data across different apps etc. The engineer will work with the infrastructure teams on upgrades and patch updates. The engineer will develop and execute Test driven development, integration and load test plans and scripts to validate that application modules meet technical and performance specifications, will participate in code reviews at appropriate stages of development. The candidate should be highly motivated, be a self-starter, results oriented, and willing to learn new technologies/skillsets as and when required.

**Desired Skills:**

Experience in Agile programming practices such as pair programming, Test Driven Development (TDD) Exposure to cloud native technology such as PCF, Azure, GCP Some hands on training/ experience with Angular Experience with J2EE, Spring boot, JSF, Primefaces and Linux Experience



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working with databases like SQL Server, MongoDB, Oracle, DB2 Experience with front-end technologies such as Java Script, Servlets, HTML, CSS Experience web service development using SOAP or Restful service

**Required Skills:**

Work on technologies like Java, Angular, Springboot, PCF, Microservices, GCP, GitHub and Jenkins. Good communication skills to interact with business customers Strong troubleshooting and problem resolution skills with commitment to quality and project timelines Strong interpersonal skills and ability to work individually and/or with a team.

**Work Pattern Details:**

Hybrid.

**Additional Info:**

- The Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience.
- We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives.
- FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.



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**Rotation ID: 3,380**

**Job Title:** Software Engineer- Ford Credit Dealer Credit Packs team

**Supervisor:** Vincky Khanna

**Supervisor Email:** vkhanna1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** Ford Credit

**Job Family:** ITS Software Engineering

**Location:** Ford Motor Credit Company Building

**Company:** Ford Motor Credit Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Bi-weekly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** Ford Credit TSP

**Department Description:**

The portfolio owns Dealer related applications used by Ford Credit. A lot of changes and enhancements to the applications are planned and in progress, as a result of the various technological modernization and transformation efforts across the organization. If you are looking for a technical rotation and wanting to learn new technologies, this is the place for you! This position is on the FCNA Dealer Credit Packs team. At the start of your rotation, you will be able to participate in an Boot Camp to ensure you gain the skills to succeed in your new position. The boot camp will introduce you to our software craftsmanship principles/Agile practices and provide a business overview so you can connect your work to value it provides.

**Position Duties:**

The TSP Dealer Credit Packs team is looking for engineers to help with the development, support and enhancements of Dealer Services applications using Java, Springboot, PCF, Angular, Micro Services, GCP, GraphQL etc. The candidate will work with multiple IT and business teams located in Dearborn US to support the Dealer Services applications and deliver changes, modernizing the existing Dealer Data UI using Angular, create APIs to integrate data across different apps etc. The engineer will work with the infrastructure teams on upgrades and patch updates. The engineer will develop and execute Test driven development, integration and load test plans and scripts to validate that application modules meet technical and performance specifications, will participate in code reviews at appropriate stages of development. The candidate should be highly motivated, be a self-starter, results oriented, and willing to learn new technologies/skillsets as and when required.

**Desired Skills:**

Experience in Agile programming practices such as pair programming, Test Driven Development (TDD) Exposure to cloud native technology such as PCF, Azure, GCP Some hands on training/ experience with Angular Experience with J2EE, Spring boot, JSF, Primefaces and Linux Experience



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working with databases like SQL Server, MongoDB, Oracle, DB2 Experience with front-end technologies such as Java Script, Servlets, HTML, CSS Experience web service development using SOAP or Restful service

**Required Skills:**

Work on technologies like Java, Angular, Springboot, PCF, Microservices, GCP, GitHub and Jenkins. Good communication skills to interact with business customers Strong troubleshooting and problem resolution skills with commitment to quality and project timelines Strong interpersonal skills and ability to work individually and/or with a team.

**Work Pattern Details:**

Hybrid

**Additional Info:**

- The Ford Credit IT team deeply values the FCG program and is committed to providing exciting development opportunities, intentional mentorship and technical coaching experience.
- We understand and appreciate an FCG's desire to be given meaningful work while providing the necessary support structure for an FCG to succeed. Any FCG who is considering this position is encouraged to meet with the posting supervisor to ensure that this position aligns with the FCG's career development objectives.
- FCG and Supervisor will work together to leverage skills to provide the best value for both the company and the FCG.





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**Rotation ID: 3,231**

**Job Title:** Software Engineer

**Supervisor:** Vijaya Saripalle

**Supervisor Email:** vsaripa1@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Marketing Sales & Service & TO

**Job Family:** ITS Software Engineering

**Location:** Rotunda Center

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** Yes

**Department:** IT Marketing and Sales (MSS)

**Department Description:**

Loyalty Platform provides a Customer centric, best in class Loyalty/Rewards program, that drives engagement, evolves over time and remains relevant to ever-changing life-style of our customers. The Loyalty program is currently launched in US and Canada. The FordPass Rewards and Lincoln Access Rewards are Customer Loyalty programs that allows members to earn and redeem valuable points, receive special offers and coupons that promotes continued engagement with the Ford and Lincoln brands. In addition the Loyalty Program, there is a Dealer facing application that allows for the redemption of customer's qualified FordPass Rewards and Lincoln Access Rewards Points, special offers and coupons at any participating dealership. You can join us in this exciting journey of building solutions that provide new capabilities to Ford and Lincoln Rewards customers in the global marketplace.

**Position Duties:**

Software Engineer will be tasked with working on a team of developers creating a state-of-the-art Reward service for Ford and Lincoln consumers. The Software Engineer will be working on back-end service that communicates with the front-end application. This individual will be a part of an Agile team and will participate in all aspects of software engineering including technical design, development and testing.

**Desired Skills:**

o The Platform practices Test Driven Development in a Paired Programming environment o Object oriented development and Java Enterprise concepts Experience with the following tools and technologies: □ Spring Platform (Spring MVC, Spring Boot, Spring JDBC, Spring Cloud) □ Cloud Native Development on GCP □ Micro-services development - Development of Web Services REST/SOAP/WSDL/XML/SOA □ Automated Testing, Continuous Integration, Continuous Deployment and technologies (Jenkins CI or similar) □ Builds on Google Cloud Platform (Gradle, GitHub) - Unit testing



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frameworks o Working with distributed teams in a dynamic work environment

**Required Skills:**

o Bachelor's degree in Computer Science or similar technical discipline o 1+ years of experience with Java and Spring (any of the versions including but not limited to SpringMVC, JPA) o Strong communication skills, verbal and written o Motivated to drive tasks to completion and take ownership of projects

**Work Pattern Details:**

Fully remote with chance to meet once a month or quarter

**Additional Info:**



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**Rotation ID:** 3,440

**Job Title:** Security Software Engineer

**Supervisor:** Wolfgang Albers

**Supervisor Email:** walbers@ford.com

**Positions Available:** 1

**Position Type:** Business/Process

**IT Organization:** IT Staffs

**Job Family:** IT Application Management

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** Yes

**Frequency of In Person Collaboration:** 1-2 days per week

**High Tech, High Demand (HTHD) Position?** No

**Department:** HR Management - Security & Controls

**Department Description:**

The HR Management Security & Controls department cares about user access management for Human Resource (HR) applications around the world. We are responsible for tools to request and authorize access for HR staff, Ford employees and suppliers. We're maintaining interfaces for access management to a suite of downstream systems. We are configuring the security roles in the recently launched global HR system Oracle HCM (Human Capital Management), which is a cloud based application, hosted by Oracle. Oracle HCM combines all HR related functions, like Core HR (employee data management, promotion, rotation, etc.), compensation, learning, talent management, development and recruiting. The team supports quarterly release updates and about 10 lower environments for planning and testing by different workstreams. In 2024 the IT security team will additionally support the US payroll launch in Oracle HCM. While the business partners are distributed around the world, the IT team has members in one country of each region (US, India, Germany).

**Position Duties:**

As a Security Software Engineer within our organization, you will be a pivotal member of the team responsible for ensuring the security and integrity of our global HR systems. Your role will involve collaborating with cross-functional teams, managing project timelines, and implementing security measures to safeguard sensitive HR data. - Project Coordination: Assist in planning, executing, and monitoring security projects related to our global HR systems. This includes defining project scope, goals, and deliverables. Use CA Agile central (Rally) as tool of choice. - Collaboration: Analyze and understand the enterprise application landscape of the customer and advise on data privacy and data security best practices. - Security Implementation: Assessment, design, implementation, and support of application Security Profiles, Roles, and Permissions. - Documentation: Maintain accurate project documentation, deployment planning and deployment process optimization.

**Desired Skills:**



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- Organizational and project management skills - Excellent communication and interpersonal skills - Ability to work in a distributed team environment. - Basic understanding of HR systems and data security principles. - Experience with regards to security concepts for applications (Security Roles, Access types etc.)

**Required Skills:**

- Agile project management skills. - Skilled in the use of CA Agile Central (Rally). - Ability to communicate cross functional. - Willing to learn.

**Work Pattern Details:**

Most of the work can be done remotely. Office work should be coordinated with the other US team member. Early working hours are appreciated to collaborate with the team around the world,

**Additional Info:**

The team will provide a deeper knowledge of the HR security concept to you. Depending on your interest, the position can be extended by some technical work.



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**Rotation ID:** 3,353

**Job Title:** Software Engineer – Security/Authentication

**Supervisor:** Zhenyu Zhang

**Supervisor Email:** zzhan106@ford.com

**Positions Available:** 1

**Position Type:** Technical

**IT Organization:** IT Operations

**Job Family:** ITS Software Engineering

**Location:** World Headquarters Building

**Company:** Ford Motor Company

**Work From Home Flexibility:** Hybrid

**Onsite Work Required?** No

**Frequency of In Person Collaboration:** Monthly

**High Tech, High Demand (HTHD) Position?** No

**Department:** Security Operation

**Department Description:**

Provides Security Services for the Enterprise.

**Position Duties:**

The Software Engineer – Security/Authentication position is an opportunity to maintain and develop Software for Identity and Access solutions across the enterprise to continue support for building a strong security environment. The person in this position will need to be detailed oriented and have excellent communications skills to play an essential role in developing, building, and rolling out IAM solutions.

**Desired Skills:**

**Required Skills:**

knowledge and working experiences with various authentication methods and technologies; Knowledge of Federation Protocols (OIDC, SAML etc.); Understanding of different types of multi-factor authentication; Experiences with NodeJS, HTML5/CSS/JS/TypeScript, .Net Core, C/C++/C#/ASP.NET, PHP, JAVA, Ruby, Python, PowerShell programming languages.

**Work Pattern Details:**

TBD. Potentially monthly on-site team meeting.

**Additional Info:**