

FRANCISCO MATEO

Software Engineer

Chicago & Milwaukee

cisco@mateo.io

414 671 9745

SKILL SET

- **Languages & Protocols:** Java, Groovy, Kotlin, JavaScript, TypeScript, Go, Python, HTML, CSS, SQL, XML, SOAP, REST, GraphQL
- **Libraries & Frameworks:** Spring, Spring Boot, Spring Security, Spring Cloud, JPA, JUnit, AssertJ, Mockito, REST Assured, Apache CXF, Cucumber, Node.js, React, Vue.js, Vitest, Swagger/OpenAPI, wsdl2java
- **Methodologies & Practices:** Agile/Scrum, eXtreme Programming (XP), TDD, BDD, Spec-Driven Development
- **Cloud & DevOps:** AWS, Kubernetes (K8s), Red Hat OpenShift (OCP), Pivotal Cloud Foundry (PCF), Jenkins, Docker, GitHub/Actions, Git
- **Application Security (AppSec) & Quality:** SonarQube, Nexus IQ, Contrast
- **Observability & Tools:** OpenTelemetry, Datadog, Elasticsearch, Postman, Gradle, Maven, NPM, Nexus, Artifactory
- **AI & LLM:** Prompt Engineering, LLM Integration (OpenAI Codex, Claude Code, GitHub Copilot)

WORK EXPERIENCE

CAPITAL ONE (Acquired Discover in 2025)

Expert Application Engineer

May 2025 - Current

- Collaborate across Agile teams to design, test, and enhance APIs, React, and Vue.js applications, leveraging Claude to champion spec-driven development and ensure architectural precision.

DISCOVER FINANCIAL SERVICES

Expert Application Engineer

April 2023 - May 2025

Principal Application Engineer

Jan 2022 - April 2023

Lead Full-Stack Software Developer

March 2021 - Jan 2022

- Led the engineering of critical APIs for Discover's conversational AI chatbot, reducing annual operating costs by over \$4M.
- Led the adoption of Discover's CI/CD enterprise pipeline on Jenkins across several cross-functional teams to ensure compliance with Discover's SDLC framework and reduce the development lifecycle.
- Introduced OpenTelemetry (observability) to several projects to standardize the collection of traces, metrics, and logs to provide actionable performance insights and faster root-cause analysis.
- Led the replatforming and migration of several APIs and applications to AWS with OpenShift, Docker, and Kubernetes.
- Evaluated emerging technologies to identify strategic integration opportunities for Discover.
- Influenced enterprise technology strategies and architectural standards across Discover.
- Leveraged deep cross-domain expertise to proactively identify and mitigate risk, preventing production bottlenecks, and ensuring high availability across multiple platforms.
- Mentored and guided the professional and technical development of junior engineers across multiple domain teams.

KIN + CARTA

Technical Consultant

May 2019 - March 2021

Technical Analyst

Aug 2017 - May 2019

- Contributed to APIs for various Fortune 100 companies that reached 60+ million customers.
- Automated various aspects of the software development life cycle (SDLC) through CI/CD processes utilizing Jenkins.

OPEN-SOURCE PROJECTS

CXF CODEGEN GRADLE

- **Creator & Maintainer:** Developed and actively maintain a Gradle plugin to generate Java from WSDLs, currently averaging over 60,000+ monthly downloads globally.

EDUCATION

UNIVERSITY OF WISCONSIN – PARKSIDE

Bachelor of Science - Computer Science

May 2017