

Hugo Santamaria

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PROFESSIONAL SUMMARY

Software Engineer with 5 years of experience building large-scale distributed systems, cloud-native platforms, and microservices supporting logistics and supply chain operations. Experienced across Java Spring Boot, Angular, React, Kubernetes, Kafka, and event-driven architectures with a strong background in platform engineering, platform modernization, infrastructure automation, observability, production support, and AI-assisted engineering workflows.

TECHNICAL SKILLS

Languages: Java (8–25), Go, TypeScript, Python

Frameworks: Spring Boot, Angular, React, Next.js

Architecture: Distributed Systems, Microservices, Event-Driven Systems, REST APIs

Cloud & DevOps: Azure, Kubernetes, Docker, CI/CD, GitHub Actions

Data & Messaging: Kafka, PostgreSQL, Oracle, MySQL

AI & Automation: GitHub Copilot, AI-Assisted Development, AI Agents, Code Generation, Generative AI, Workflow Automation

Tools: Git, JIRA, Insomnia, VS Code, OpenLens, BrowserStack

PROFESSIONAL EXPERIENCE

General Motors | Software Engineer

Austin, TX | March 2022 – May 2026

- Engineered and maintained enterprise Java Spring Boot microservices supporting high-volume logistics and transportation operations across production supply chain systems.
- Developed scalable full-stack solutions across Angular and React frontends alongside RESTful APIs powering enterprise logistics and operational workflows.
- Led modernization of a legacy logistics platform by extracting functionality from a monolithic application into microservices, implementing API Gateway and Eureka service discovery, and migrating authentication to OAuth2 resource servers.
- Refactored a critical transportation rate-processing service using asynchronous processing, multithreading, and shared abstraction layers, reducing processing times by approximately 60% and eliminating UI bottlenecks.
- Designed and delivered a FedEx shipping microservice supporting domestic and international shipments, multi-package processing, and REST-based integrations replacing legacy WSDL services.
- Implemented cloud-native distributed systems leveraging Azure, Kubernetes, Docker, Kafka, and event-driven architecture patterns.
- Developed AI-assisted engineering workflows and custom GitHub Copilot agents to automate code generation, debugging, documentation, and repetitive development tasks.
- Provided on-call support for enterprise logistics applications, resolving critical production incidents and ensuring reliability of distributed systems operating at scale.

EDUCATION

University of Texas Rio Grande Valley — Bachelor of Science in Computer Science

2015 – 2020