

Pete Acevedo

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Software engineer specializing in cloud platform migrations and enterprise application modernization. Led the migration of 10+ Java and .NET services to Red Hat OpenShift and serve as technical owner for 12+ production systems across Azure and Kubernetes. Full-cycle engineer spanning system design, CI/CD automation, and production operations under an end-to-end ownership model.

Technical Skills

Languages: Java, C#, C, SQL

Cloud & DevOps: Azure (AKS, DevOps), Kubernetes, Red Hat OpenShift (OCP), Docker, Terraform, Linux, GitHub Actions

Frameworks & Libraries: .NET Core, Spring Boot, Spring MVC, OAuth2, REST APIs

Tools & Practices: Git, Tomcat, NSSM, Microservices Architecture, CI/CD Pipelines

Work Experience

● **Software Engineer II** *General Motors*

January 2025 – Present

- o **Architected** a next-generation rebuild of a business-critical application, secured approval from the enterprise Architecture Review Board, and now lead a team of four engineers delivering it.
- o **Led** end-to-end migration of 10+ Java and .NET services to Red Hat OpenShift (OCP), coordinating cutover with every downstream consumer to complete the move in under one month.
- o **Serve as technical owner** for 12+ production applications — defining modernization strategy, partnering with senior architects on platform and next-generation initiatives, resolving defects to reduce backlog volume by ~65%, and acting as SME for future migrations and architectural decisions.
- o **Diagnosed and resolved** critical authentication defects causing infinite login loops across two enterprise applications, correcting cookie validation and issuer handling to restore stable sign-in for all users.
- o **Implemented** dual OAuth2 login paths in Spring Boot for internal and external users, adding RelayState validation and custom redirect logic reused across downstream applications.

● **Software Engineer I** *General Motors*

August 2023 – January 2025

- o **Refactored** backend logic and data-retrieval paths to cut administrative page load times from 2+ minutes to ~30 seconds, dramatically improving user experience.
- o **Designed, built, and deployed** an “Auto Select” feature that pre-populates user selections from contextual data, reducing task-completion time by 25%+ for industrial engineers.
- o **Redesigned** session-affinity strategy from IP-based persistence to cookie-based routing, eliminating session-stickiness failures in distributed Tomcat clusters.
- o **Delivered** backend features and refactored legacy components across multiple enterprise Java and .NET applications, improving performance, reliability, and user experience for critical operational workflows.
- o **Operated** as a full-cycle engineer — owning feature development, system design, cloud deployment, CI/CD automation, and production support under GM’s end-to-end ownership model.

Education

University of Texas at San Antonio

GPA: 3.5

Bachelor of Science in Computer Science

Graduated: December 2023
