

AMAN GHRERA

PRINCIPAL / SENIOR STAFF SOFTWARE ENGINEER & ARCHITECT

San Jose, CA | [linkedin.com/in/aghrrera](https://www.linkedin.com/in/aghrrera)

Staff+ Engineer & Architect with over 20 years of experience designing, building, and scaling mission-critical identity platforms, distributed services, and cloud-native ecosystems. Deep subject matter expertise in Customer Identity & Access Management (CIAM), modern authentication/authorization protocols, and high-throughput architecture. Proven track record of architecting distributed systems handling 10B+ daily requests, executing massive legacy modernizations, and leading high-performing cross-functional engineering teams while remaining hands-on.

CORE COMPETENCIES

- **Identity & Security Architecture:** CIAM, OAuth 2.0, OpenID Connect (OIDC), SAML, SCIM, MFA, Step-up Auth, Digital Identity Wallets, Passkeys, SSO, RBAC, JWT
- **Distributed Systems & Cloud:** High-Traffic Microservices, Event-Driven Architecture, API Design (REST, GraphQL), AWS (Cognito, Lambda, DynamoDB), Azure (B2C, CosmosDB), Docker, CI/CD, Terraform
- **Languages & Frameworks:** Java, Kotlin, Python, Spring Boot, Node.js, JavaScript, TypeScript, RxJava, C#.NET
- **Data & Messaging Platforms:** Kafka, Oracle, DynamoDB, CosmosDB, MongoDB, PostgreSQL, Elasticsearch, Google BigQuery
- **Engineering Leadership:** Technical Strategy & Roadmaps, Cross-Functional Alignment, Mentoring Teams (5–15 Engineers), AI-Assisted Engineering (Claude Code, Cline)

PROFESSIONAL EXPERIENCE

eBay Inc. | Senior Staff Software Engineer

San Jose, CA (Oct 2024 – Present)

- Architect enterprise-grade customer identity, passwordless authentication, and login security solutions utilizing OAuth2, OIDC, and AWS Cognito.
- Designed and implemented step-up MFA and SSO identity federation architectures for eBay and its newly integrated subsidiary companies, Goldin and Tise.
- Successfully engineered and deployed proof-of-concepts (POCs) for modern security initiatives, including Digital Identity Wallets, Passkeys, and a config-driven Identity Platform across business domains.
- Evangelize and drive the internal adoption of agentic AI technologies and developer tools (including Claude Code and Cline) to optimize engineering velocity.

Technologies: Java, Python, Spring Boot, AWS (Cognito, Lambdas, DynamoDB), React, Oracle, Claude Code, Cline

General Motors | Staff Software Engineer

Mountain View, CA (Apr 2024 – Sep 2024)

- Designed and developed high-availability, cloud-native backend services supporting digital vehicle keys and real-time in-vehicle notifications.
- Managed architecture, deployment, and identity integration strategies on Azure cloud infrastructure, leveraging Azure B2C for secure user management.
- Partnered closely with UX, product management, frontend, and embedded systems teams to establish end-to-end feature designs.

Technologies: Java, Kotlin, Spring Boot, Azure, Azure B2C, CosmosDB, REST APIs

PayPal Inc. | Member of Technical Staff 2 (MTS 2)

San Jose, CA (Nov 2016 – Apr 2024)

- Architected core distributed identity and platform services capable of processing over 10 billion requests per day with high reliability.
- Designed and implemented security and identity fabrics across PayPal domains based on OAuth 2.0, OIDC, SCIM, RBAC, JWT, and global SSO.

- Directed the technical identity integration of major acquired subsidiaries—including Venmo, Xoom, Zettle, and Braintree—into the core PayPal ecosystem.
- Spearheaded the architectural migration of a legacy C++ monolith into a modular, reactive Java REST microservices framework using Spring and RxJava.
- Guided and mentored multiple cross-functional engineering teams ranging from 5 to 15 developers, consistently ensuring high-quality, timely product releases.

Technologies: Java, Node.js, Spring, RxJava, Kafka, GraphQL, REST, SCIM, OAuth, Terraform, Oracle, BigQuery, Jenkins

Gigamon Inc. | Senior Staff Software Engineer

Santa Clara, CA (Apr 2015 – Nov 2016)

- Spearheaded the design and architecture of critical components within Gigamon’s high-performance network device management interface.
- Engineered an enterprise search and indexing solution using Elasticsearch; built a high-volume network traffic capture, storage, and analysis engine utilizing Postgres and custom nfcapd extensions.
- Built and launched an AWS-based cloud solution tailored for real-time network visibility and traffic monitoring.

Technologies: AWS, Java, Spring Boot, REST APIs, Elasticsearch, MongoDB, Postgres, OpenTSDB, Netflow, C

eBay Inc. | Member of Technical Staff (MTS)

San Jose, CA (Apr 2011 – Apr 2015)

- Co-designed and built a highly automated, self-service private cloud platform used internally by thousands of eBay developers.
- Created robust REST APIs, command-line interfaces (CLIs), and web applications to automate underlying cloud infrastructure provisioning.
- Acted as technical lead for a team of 5–10 software engineers.

EARLIER PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions — Senior Associate (Software Engineer): Developed Java/Spring enterprise healthcare applications.

Zolon Tech Solutions — Senior Software Engineer: Designed Java/Spring medical document management and storage solutions integrated with FileNet and Oracle.

Mastek — Senior Software Engineer: Built Java and C#.NET business applications for public benefits and healthcare domains.

EDUCATION

- Master of Technology (M.Tech.) | Indian Institute of Technology (IIT), Madras, India
- Bachelor of Technology (B.Tech.) | Indian Institute of Technology (IIT), Madras, India