

Alan Quintero

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SENIOR SOFTWARE ENGINEER

Senior Software Engineer with 10 years of experience building backend systems and high-scale integrations in Java/Spring, plus mobile messaging infrastructure at **Meta** (WhatsApp, Messenger). Proven track record improving performance and reliability in production—reducing WhatsApp message send latency by **20%** and enabling group scaling from 256 to 1024 participants. Strong focus on scalable system design, operational excellence, and maintainable codebases.

TECHNICAL SKILLS

- **Languages:** Java, Kotlin, SQL, TypeScript
- **Backend:** Spring Boot, Spring MVC, Hibernate, REST APIs, Microservices
- **Databases:** MySQL, Oracle, Redis
- **Cloud/DevOps:** AWS, ECS, Jenkins, CI/CD, Maven, Gradle, Git
- **Testing:** JUnit, Mockito, Espresso
- **Mobile:** Android
- **Other:** SonarQube, A/B testing, NLP (OpenNLP)

PROFESSIONAL EXPERIENCE

Meta | Remote (Menlo Park, CA) |

11/2020 – 04/2025

Senior Software Engineer

- Led the integration of a Facebook posts feed in the [Messenger Friends tab](#), owning Android feed UI and client-server API contracts in the absence of a dedicated server engineer; increased time spent in the tab by 10%.
- Engineered core WhatsApp Android messaging infrastructure for [Meta AI](#) integration by extending send/receive workflows and introducing new encryption/decryption paths while maintaining backwards compatibility and reliability.
- Reduced WhatsApp message send latency by 20% through A/B testing and performance optimizations (parallel key processing, caching participant keys), enabling group size scaling from [256 to 1024 participants](#).

Bind | Remote (San Francisco, CA) |

05/2020 – 10/2020

Software Engineer

- Enhanced and maintained backend services for a healthcare insurance platform, supporting medical claims processing workflows in Java 11 / Spring Boot on AWS.
- Reduced SonarQube-reported code issues by **85%** across team-owned modules by addressing bug-prone logic, duplicated code, and maintainability problems.
- Automated and documented integration workflows for a third-party .NET vendor application, improving operational efficiency and reducing manual deployment overhead.

Zume | Mountain View, CA |

09/2019 – 03/2020

Software Engineer

- Developed TypeScript-based microservices for a pizza delivery platform, contributing to the backend design of a new pickup experience and integrating with existing ordering workflows.
- Designed and implemented a production-ready customer-facing demo application in Vue.js used by sales teams to showcase the pickup flow, with automated tests to ensure reliability.

Talix | San Francisco, CA |

09/2018 – 08/2019

Software Engineer

- Improved a customer-facing medical NLP engine used by medical coders to extract clinical concepts from unstructured records and map them to ICD-10/CPT/HCPGS codes.
- Increased multi-word concept recognition accuracy by 5% by optimizing Trie construction and improving phrase matching within the NLP pipeline.
- Improved precision by 3% by enhancing parsing logic for special characters and clinical note formatting, reducing false-positive concept matches.

Infosys (Client: Apple) | Sunnyvale, CA |

06/2017 – 09/2018

Software Engineer (Consultant)

- Built a Java REST microservice that acted as middleware for internal systems and ETL pipelines during an Oracle-to-NoSQL migration, enabling scalable data exchange.
- **Reduced API latency by 30%** by optimizing transformation logic, eliminating redundant downstream calls, and caching frequently used reference mappings.

IT Consulting | Mexico

01/2015 – 05/2017

Software Developer

- Delivered Java backend solutions for enterprise clients including **GE** (legacy desktop to web migration), **USAA** (new motorcycle insurance claims line of business), and **Charter** (ad scheduling optimization platform used by external clients).
- Built REST APIs using Spring MVC / Spring Boot with Hibernate, integrating with Oracle and MySQL data stores.
- Improved code quality and delivery reliability by establishing unit/integration testing practices (JUnit, Mockito, Selenium), enforcing standards via code reviews and SonarQube, and supporting CI pipelines in Jenkins.
- Led small feature teams and mentored interns, improving onboarding and ensuring adherence to engineering best practices.

EDUCATION

Bachelor of Science (B.S.) in Computer Systems Engineering

Universidad Autonoma de Aguascalientes. Aguascalientes, Mexico