

## Alan Quintero

San Diego, CA | alanq.swe@outlook.com | <https://alanquintero.github.io/> | <https://www.linkedin.com/in/alan-quintero/>

### 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/HCPCS 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