

JAVIER LUIS VELASQUEZ

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Software Practitioner and Engineering Leader with 14+ years spanning test engineering, developer experience, and platform engineering. Leads cross-functional teams delivering cloud-native platforms on AWS, translating complex business requirements into scalable, maintainable systems. Known for growing engineers through mentorship, coaching, and fostering a culture of shared ownership. Hands-on with AI/LLM tooling and agentic development practices, including introducing them into team workflows. MBA with a concentration in Strategy and Leadership.

Skills: Java/Scala/JVM · Go · Python · TypeScript · OOP/Functional Programming | Test Engineering · Troubleshooting/Debugging · Systems Thinking · Agile/Scrum/Kanban | PostgreSQL · NoSQL · APIs/REST/(g)RPC
AWS · Kubernetes · Terraform · Helm · Docker · CI/CD · GitLab CI | Microservices/Modular Monoliths · Distributed Systems · Event-Driven Architecture · Platform Design | Agentic Development · Claude Code

Professional Experience:

- Sr. Engineer and Team Lead (Toyota Connected : Dallas, TX) Oct 2023 - Present
- Lead a team of 5 engineers through 1:1s, coaching, and mentorship, driving consistent delivery across two product value streams while maintaining high engineering standards.
 - Drive project delivery across two value streams through quarterly roadmap planning, backlog grooming, and stakeholder alignment, ensuring on-time delivery of agreed commitments.
 - Ensure organizational alignment across TCNA, TMNA, and TMC, reducing ambiguity and improving estimate reliability through structured stakeholder engagement.
 - Defined testing strategy for microservices and serverless platforms within an AWS ecosystem (EKS, Lambda, SQS, Kinesis, DynamoDB), including a Grey-Box Automation Framework integrated into CI pipelines.
 - Balance feature delivery against platform health by owning non-feature work including framework upgrades, security improvements, and build process modernization, negotiating priorities to ensure sustainable delivery.
 - Introduced AI Agent Skills and supporting processes to enhance team output (inc. testing, system design, Jira workflows, releases, documentation, and project organization)
 - Led architectural improvements and conducted load testing compliant with TMC standards, with EKS/Lambda optimizations ensuring scalability from launch through the first year.
- Senior SDET (BlinkHealth : NY, NY) June 2022 - Oct 2023
- Developed API Testing Framework in Node.js supporting Cypress and WebDriverIO
 - Maintained and improved existing Cypress automation framework, optimizing test execution time
 - Mentored SDETs/QAs inc. offshore resources elevating team code quality and consistency of delivery.
 - Implemented OAuth2 (Okta) automation over REST & UI, unblocking test across previously inaccessible workflows.
- Senior Software Engineer (Verily f.k.a SignalPath : Raleigh, NC) Jan 2019 - June 2022
- Delivered features (Scala/Postgres/MongoDB) across product suite including Financials, Patients, and Studies/Protocols
 - Drove cultural transformation across engineering, shifting testing from siloed QA ownership to shared responsibility
 - Designed automated testing strategy for asynchronous microservices architecture
 - Mentored engineers on OOP, FP, and Software Testing, raising the overall quality bar.
 - Built developer tooling (Go) automating license verification required by SOPs, reducing manual bottlenecks.
 - Introduced Go on a team supporting an integration layer providing simplified APIs to external backend clients over a Scala backend; established project standards and framework conventions.
- Software Engineer (HCG Funds : Raleigh, NC) Apr 2018 - Dec 2018
- Created reusable Helm templates to standardize deployment of various services
 - Deployed and maintained Kibana/ES/Fluent Bit (EKF) Stack (Terraform/Helm/k8s)
 - Supported datastore ingestion process consuming 3rd party data for business visualization (Java/Postgres/Looker)
- Software Engineer (Mapp Digital, f.k.a Teradata Mktg. : Raleigh, NC) Apr. 2016 - Apr 2018
- Built CI/CD automation from scratch using GitLab CI, CloudFormation, and AWS ECS
 - Championed containerization standards across the organization, dockerizing tooling and production applications
 - Led effort to refactor content management system backend to address critical performance issues
 - Maintained and developed multiple Spring Boot RESTful microservices supporting an internal CRM platform including landing pages, feature configuration, and email template management.

Education:

- Master of Business Administration (MBA) (WFU: Winston Salem, NC) Dec 2024
- Concentration in Strategy and Leadership
- B.S. Information Systems and Operations Management (ISOM) (UNCG: Greensboro, NC) March 2012