

# JAVIER LUIS VELASQUEZ

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Engineering Leader Focused on Elevating Value Propositions | MBA

## Professional Experience:

Sr. Engineer and Team Lead (Toyota Connected : Dallas, TX) Oct 2023 - Present

- Responsible for delivery of Vehicle Video and Multimedia Log ingestion pipelines across AWS ecosystem (Lambda, EKS, SQS, SNS, DynamoDB, Kinesis, Firehose).
- Ensured cross-organizational alignment across TCNA, TMNA, and TMC, managing stakeholder priorities and guiding the team to deliver on agreed objectives.
- Oversaw load testing efforts, compliant with TMC standards, enabling team with tooling, provided EKS/Lambda optimizations, and designing architectural improvements (sync → async) to ensure scalability from launch through the first year.
- Cultivated a team culture of trust, ownership, transparency, accountability, and intellectual honesty, driving results and continuous improvement.
- Defined testing strategy for microservices and serverless platforms, including the design of a Grey-Box Automation Framework integrated into CI pipelines.
- Planned and executed quarterly roadmaps, decomposing complex requirements into Jira tasks, and hosted biweekly grooming and refinement sessions to ensure timely delivery.
- Mentored and coached team members to write well-designed, idiomatic platform code and maximize the team's collective value.

Senior SDET (BlinkHealth : NY, NY) June 2022 - Oct 2023

- Developed API Testing Framework in Node.js supporting Cypress & WebDriverIO
- Provided mentorship and training to other SDET/QAs on team, inc. offshore resources
- Implemented OAuth2 (Okta) enabled automation over Rest and UI
- Responsible for the maintenance and improvements of existing system automation framework (Cypress, inc. reducing test execution time by 90%)
- Responsible for implementing major upgrades to Mobile Automation Framework, including dependency upgrades and migrating Javascript to Typescript
- Introduced eslint & tslint to provide automated code feedback for team

Senior Software Engineer (Verily f.k.a SignalPath : Raleigh, NC) Jan 2019 - June 2022

- Delivered features (in Scala/Postgres/MongoDB) across product suite inc. Financials, Patients, and Studies/Protocols
- Functioned as organizational catalyst changing culture of *"Developers write code and QA test"* to viewing testing as a shared responsibility of multiple stakeholders
- Designed automated testing strategy for asynchronous micro-services architecture
- Defined development standards around transaction-aware APIs
- Wrote tooling (Golang) automating license verification required by Standard Operating Procedures (SOPs) when introducing new dependencies to Scala projects
- Provided mentorship on various topics including OOP, FP, and Software Testing
- Standardized how software library updates were documented to provide consistency and reliability to versioning process

Software Engineer (HCG Funds : Raleigh, NC) Apr 2018 - Dec 2018

- Created re-useable helm template to standardize deployment of various services
- Deployed and maintained Kibana/ES/Fluent Bit (EKF) Stack (Terraform/helm)

- Supported "datastore" ingestion process responsible for consuming 3rd party data used for purposes of business visualization (Java/Postgres/Looker)

Software Engineer (Mapp, f.k.a Teradata Mktg. : Raleigh, NC) Apr. 2016 - Apr 2018

- Led effort to refactor content management system backend to address critical performance issues related to common client workflows related to email templating
- Developed service to automate application deployments using Gitlab CI, Cloudformation, and AWS ECS. (initially used Python's Boto3, used Go SDK for "v2")
- Created service to automate application versioning based on Jira Releases.
- Functioned as organization's Docker "evangelist": dockerizing tooling, production applications, and provided guidance & best practices to colleagues.
- Implemented RESTful endpoints across multiple services.

QA Automation Engineer (McClatchy Interactive : Raleigh, NC) Jan. 2015 - Apr. 2016

- Designed an automation framework, which consisted of: Cucumber-JVM, Guice REST, SauceLabs, TestNG, Maven, Jenkins, Selenium WebDriver, Page Objects, etc.
- Implemented a Java Wrapper for a Vendor's REST API (AtomPub).
- Assessed/Enhanced Integration & Unit Test Coverage.
- Wrote and maintained automated Smoke, Integration, Services, and System Tests.

QA Engineer (Market America/Shop.com : Greensboro, NC) Apr. 2014 - Dec. 2014

- Designed and implemented an automation framework, which consisted of: TestNG, Maven, Data Driven Testing, Page Objects, Jenkins, Selenium WebDriver, Custom Reporting, Selenium Grid.
- Wrote a GUI (JavaFX) application to convert project manager requirement specifications written in Excel to company's test management software-compatible format (TestLink XML)
- Wrote a (JavaFX) application to convert requirements from Excel to Testlink
- Wrote client that exercised requests against company's internal XML-RPC/SOAP services
- Developed standards for script creation, framework usage, and code review process

Test Automation Engineer (Zenergy Technologies : Greensboro, NC) May 2012 - April 2014

- Participated on several projects on the behalf of multiple clients performing maintenance, enhancement, and creation of automation infrastructure
- Functioned as team lead on 7 person automation team
- Wrote automated test cases (Selenium & QTP) based on manual requirements
- Conducted training seminars, training students from alma mater about basic QA concepts, Selenium IDE, Selenium WebDriver (Java), and Automation Frameworks Concepts
- Developed Requirements Traceability Matrix Report in Java, utilizing various components such as XML, REST API, JDBC, MySQL, SQLite, & Apache POI:
- Conducted interviews for QA Analysts and Automation Engineers.

## Education:

Master of Business Administration (MBA) (WFU: Winston Salem, NC) Aug 2022 - Dec 2024

- Concentration in Strategy and Leadership
- Achieved a 3.767 GPA

Information Systems and Ops. Mgt (ISOM) (UNCG: Greensboro, NC) Aug 2008 - March 2012

- Minor in Geographic Information Systems
- Graduated with a 3.6 GPA