

JAVIER LUIS VELASQUEZ

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Software Practitioner specializing in Test Engineering and Developer Experience

Education:

MBA in Strategy and Leadership (WFU : Winston Salem, NC) Aug 2022 - Dec. 2024 (est.)

- Maintaining a 3.75 GPA while working full time

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

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

Professional Experience:

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

- Designed Grey-Box Automation Framework to validate services as a part of CI
- Mentored team on writing well-designed, modern, and idiomatic Java code
- Collaborated with international team members from Toyota Motor Corp & NGI to ensure functional validation of vehicle to server communication
- Responsible for defining Testing Strategy for Microservices and Serverless Platform
- Standardized test data management for core E2E workflows
- Maintained and enhanced existing (Java, gRPC, Spring Boot) automation framework
- Built CLI to automate many tasks related to platform workflows
- Tester on Agile team responsible for data ingestion of vehicle video data (inc. Lambda, EKS, SQS, SNS, DynamoDb, Kinesis, OpenSearch, Cloudwatch)

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 integration testing of asynchronous micro-services dependent on Kinesis for communication
- 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 and implemented an automation framework, which consisted of: Cucumber-JVM, Guice REST, SauceLabs, TestNG, Maven, Jenkins, Selenium WebDriver, Page Objects, and more.
 - 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.
 - Performed manual testing when best suited for the problem
- 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 requirement 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 reporting tools in Java, utilizing various components such as XML, REST API, JDBC, MySQL, SQLite, & Apache POI: Build Summaries, Requirements Traceability Matrix.
 - Participated in and conducted code reviews.
 - Participated in off-hours support to facilitate out of schedule testing of critical changes.
 - Conducted interviews for entry level QA Analysts, and Automation Engineers.