

SUMMARY

Senior Software Engineer with over 12 years of experience specializing in end-to-end test automation. Expert in developing and implementing comprehensive testing strategies across a variety of platforms and technologies. Skilled in leading testing efforts, optimizing test processes, and collaborating with cross-functional teams to ensure product excellence.

SKILLS

Test Automation: Pytest, Cypress, Selenium, Robot, Spock, RestAssured, Geb, Page Object Model, JMeter, Gherkin, TestNG, Behave.

Testing: Manual, Regression, Release, Functional, API, Frontend, Backend, Integration, Performance, Load, Test Planning, Test Case Design (equivalence partitioning, boundary value analysis, decision table, use case), Exploratory, Black Box, Gray Box.

Programming: Python, Java, C, C++, C#, Groovy, Ruby, Perl, Objective-C, SQL, Node.js, React, XPath, Bash, PowerShell.

Backend: Python, Java Spring Boot, C (Visual Studio), C# (ASP.NET), Groovy, Postman, RabbitMQ, SAP Commerce (Hybris).

Continuous Integration & Deployment: GitHub Actions, Jenkins, Maven, Gradle, Make, NPM, Allure, Linux, Docker, Kubernetes

E-Commerce: SAP Commerce (Hybris), Adobe Experience Manager, Salesforce Commerce Cloud (Demandware).

Databases, Machine Learning and Monitoring: MySQL, PostgreSQL, Datomic, Grafana, Splunk, NewRelic, Pandas, TensorFlow.

Virtualization: Docker, Kubernetes, AWS, Google Cloud, VirtualBox, Parallels, RedHat.

Web and Mobile Development: HTML, CSS, JavaScript, Ajax, Bootstrap, C# (ASP.NET), SQL Server, iOS (Objective-C), Android.

WORK EXPERIENCE

Senior Software Engineer, Tesla, Austin, USA.

Mar 2024 - present

- Improved test coverage by 30% for vehicle customization systems through comprehensive API tests.
- Boosted efficiency by automating cloud VM API tests using Python and Behave, and enhanced reliability of UI tests with Python and Selenium, ensuring seamless user management.

Senior Software Engineer, TripleBlind, McAllen, USA - Remote.

Sep 2022 - Jan 2024

- Improved ML model accuracy by 15% through data testing and preprocessing techniques, ensuring 100% privacy compliance.
- Reduced defect rates by 25% by implementing comprehensive test plans using Pytest-BDD scenarios and increasing test coverage by 40% with an end-to-end testing framework.
- Accelerated deployment times by 15% and improved data retrieval speeds by 20% through cloud database optimizations and efficient issue resolution strategies.

Software Engineer, Invitae, San Francisco, USA.

Jan 2020 - Aug 2022

- Reduced release cycles from 2 weeks to continuous delivery by orchestrating Cypress-based E2E test suite development for a Laboratory Information Management System.
- Improved code quality by 20% and reduced mean time to resolution by 40% through active participation in pull request reviews and on-call rotation for the production environment.
- Enhanced test stability by 50% and increased transparency by 35% by migrating automated tests to Cypress and optimization of regression suite execution.

Software Engineer, Tacit Knowledge, Guadalajara, Mexico.

Mar 2014 - Jan 2020

- Ensured 99.8% uptime during peak periods for e-commerce sites by conducting comprehensive end-to-end testing and integrations with various third-party services.
- Reduced critical bugs by 25% using advanced testing techniques and increased test coverage by 40% through API test automation with Java, TestNG, Groovy, and RestAssured.
- Improved site performance by 35% through load testing with JMeter and enhanced system scalability by 20% by developing backend features using Java Spring Boot.

Test Software Engineer, IBM, Guadalajara, Mexico.

Feb 2013 - Feb 2014

- Increased system stability by 30% as measured by reduced unexpected failures, by developing stress test scripts to determine maximum product limits using Java and TestNG.
- Improved sprint completion rate by 25% as measured by completed story points, by implementing Agile methodologies including daily scrums and bi-weekly retrospectives.

Test Software Engineer, Intel, Guadalajara, Mexico.

Sep 2012 - Feb 2013

- Reduced defect escape rate by 20% as measured by customer-reported issues, by executing and managing automated API tests for flash memory products using C and Visual Studio.

Test Software Engineer, Hildebrando, Guadalajara, Mexico.

Feb 2011 - Sep 2012

- Reduced test cycle time by 30% as measured by days from planning to reporting, by streamlining processes for remote client management and full-cycle software testing and creating stress scripts for Linux storage clusters

Web Developer, Jabil, Zapopan, Mexico.

Jul 2010 - Jul 2011

- Improved data retrieval speed by 25% as measured by query response time, by optimizing server-side code in C# and database operations using SQL Server while developing web applications using HTML, CSS, JavaScript, and Ajax.

EDUCATION

Universidad TecMilenio, Zapopan, Jalisco, Mexico. MBA Information Technologies Management.

Jan 2019 - Sep 2020

Universidad de Guadalajara, Guadalajara, Jalisco, Mexico. Bachelor of Computer Engineering.

Aug 2006 - Aug 2011

CERTIFICATIONS

ISTQB Foundational Level, SAP Certified Application Associate - SAP Commerce Cloud Business User

OTHER SKILLS

iOS Development: Contributed to gaming Jeopardy-style iOS application to educate about nutrition (Mi Nutriologo Quiz).

Data Annotation: Freelance work to train AI models by asking and correcting coding prompts.

Testing Instructor: Test Automation, CI, and build tools instructor for QA Minds Bootcamp.

Languages: Spanish (native), English (fluent).