

VRAJ SHAH

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Professional Summary

Results-driven **QA Automation Engineer** with experience in mobile and web application testing, automation, and CI/CD. Proficient in **Kotlin, Swift, Java, and Python**, with expertise in test automation frameworks (**Selenium, Appium, Playwright**), performance testing (**JMeter**), and API testing (Postman, Retrofit). Skilled in writing automated test scripts, maintaining CI/CD pipelines (**Jenkins, GitLab CI**), and **collaborating in Agile teams**. Familiar with **Linux environments** and AWS services supporting SaaS applications. Seeking a QA Co-Op position to apply skills in automation, performance testing, and quality assurance.

Technical Skills

Programming Languages: Kotlin, Swift, Java, Python, C#

Testing & Automation: JUnit, Mockito, Espresso, Selenium WebDriver, Playwright, Cypress, Pytest, Appium, JMeter

Development Tools: Android Studio, Xcode, Gradle, Git, Linux

Web Services & API: Retrofit, OkHttp, REST, JSON, Thrift

Big Data & Cloud: Firebase, AWS, MongoDB, Hadoop

CI/CD & DevOps: GitLab CI/CD, Jenkins, Bamboo, Docker, Terraform

Soft skills: Strong communication, Problem-solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Time management, Ability to learn continuously

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- **Designed and maintained automated test suites** using Selenium WebDriver, Appium, and Playwright, **increasing test efficiency by 30%**.
- **Developed API test automation scripts** using Postman and Python, **ensuring 99% uptime** and reducing manual testing efforts.
- **Integrated CI/CD pipelines** (GitLab CI/CD, Jenkins) to enable automated testing workflows, **reducing deployment time by 50%**.
- **Conducted performance testing using JMeter**, identifying bottlenecks and improving system scalability.
- **Worked in a Linux environment**, debugging scripts and optimizing application performance.
- **Refactored legacy test cases using Pytest and Playwright**, increasing automation coverage by 40%.
- **Collaborated with developers to analyze and troubleshoot issues**, ensuring smooth product releases in Agile sprints.

Education

Dalhousie University

Jan 2024 - Sep 2025

Master of Applied Computer Science (Co-op Candidate) — GPA: 4.07/4.3

Halifax, Canada

Charusat University

Jun 2018 - Apr 2022

Bachelor of Computer Engineering — GPA: 8.7/10

Gujarat, India

Projects

ServiceHub | [Source Code](#)

ReactJS | Spring Boot (JAVA) | MySQL

- **Designed and built a scalable web application** for service providers and requesters, integrating e-signed contracts and feedback systems, **resulting in a 20% increase in user engagement** by enhancing user trust.
- **Implemented end-to-end automation testing** using Selenium, reducing manual testing workload by 70%.
- **Architected backend using Java Spring Boot and integrated it with a ReactJS frontend**, achieving **99.9% uptime** and enabling seamless real-time interactions among over 1,000 active users.

Habit | [Source Code](#)

Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDB

- Created an intuitive **habit-tracking mobile app** aimed at empowering users to build and manage daily routines; incorporated user feedback into design, resulting in a **40% increase in daily active users**.
- Engineered a robust **Spring Boot backend** integrated with **MongoDB**, achieving secure data storage and enabling seamless **real-time synchronization** across multiple devices for enhanced user experience in habit tracking.
- **Implemented Espresso UI tests and JUnit-based unit tests**, improving software reliability by 40%.