

VRAJ SHAH

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Professional Summary

Detail-oriented and results-driven Software Development Engineer in Test (SDET) with expertise in test automation, API testing, CI/CD, and performance testing. Proficient in Java, Python, Selenium, and SQL, with hands-on experience in automated testing, API validation, and Agile development practices. Skilled in building robust test suites, integrating test automation into CI/CD pipelines, and ensuring software quality through TDD methodologies. Seeking an opportunity to leverage strong testing expertise in a collaborative, Agile environment.

Technical Skills

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

Testing & Automation: JUnit, Mockito, Espresso, Selenium WebDriver, Playwright, REST-Assured, Pytest, Appium, JMeter

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

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

Database & Backend Testing: SQL, ETL testing, MongoDB, Firebase, Hadoop

CI/CD & DevOps: Jira, 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 (Independent learner)

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- **Designed and maintained automated test suites** using Selenium WebDriver, REST-Assured, and Playwright, **reducing testing efforts by 30%.**
- **Developed and executed API automation tests** using Postman and Python, **improving system reliability with 99% uptime.**
- **Led performance testing initiatives** with JMeter, identifying bottlenecks and **optimizing system performance.**
- **Integrated automated test cases** into CI/CD pipelines (GitLab CI/CD, Jenkins), **reducing deployment time by 50%.**
- **Conducted ETL and backend testing**, validating data accuracy and **ensuring seamless data transformations.**
- **Implemented BDD/TDD methodologies** using Cucumber, **improving test coverage and reducing defect leakage.**
- **Collaborated with cross-functional teams** in Agile sprints to ensure the timely release of high-quality software.

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%.