

VRAJ SHAH

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Professional Summary

Results-driven Software Developer with **experience in mobile development** and a strong foundation in **software testing and automation**. Proficient in **Kotlin, Swift, and Java**, with expertise in designing scalable applications, implementing **test-driven development**, and optimizing software quality. Adept at writing automated test cases, maintaining **CI/CD pipelines**, and collaborating in **Agile teams**. Seeking an **Quality Assurance co-op position** to apply my skills in automated testing, performance optimization, and continuous integration.

Technical Skills

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

Testing & Automation: JUnit, MSTest, Mockito, Espresso, Selenium WebDriver, Appium, Postman, JMeter

Development Tools: Android Studio, Xcode, Gradle, Git, Jenkins, GitHub Actions

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

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

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

Soft skills: Strong communication, Quick learner, Analytical, Flexible

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer | Mobile Application Developer

Ahmedabad, India

- **Developed and maintained mobile applications** using Kotlin, Swift, and Java, **improving app performance by 40%** through code optimization and efficient memory management.
- **Designed and implemented unit tests** using JUnit and Mockito, **increasing test coverage to 95%** and reducing post-deployment defects.
- **Automated API testing using Postman and Retrofit**, ensuring 99% uptime and reducing manual testing efforts.
- **Collaborated with cross-functional teams** to integrate CI/CD pipelines with Jenkins and GitHub Actions, decreasing deployment time by 50%.
- **Conducted code reviews**, established coding standards, and refactored legacy code, **improving maintainability and reducing bug occurrences by 75%**.
- **Developed test automation scripts** using Selenium WebDriver and Appium, **increasing regression test efficiency by 30%**.

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 and interaction flow.
- **Integrated Selenium WebDriver** for end-to-end testing, 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 | [APK](#) | [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%.