

VRAJ SHAH

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Objective

Detail-oriented software professional with **2+ years of experience** in **mobile** and **backend development**, with a strong foundation in **test-driven development** and **quality assurance practices**. Passionate about designing comprehensive test plans and automating testing procedures to ensure robust and reliable software. Open to Software Tester role to contribute to the quality and user experience of innovative Learning Management Systems.

Education

Dalhousie University

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

Jan 2024 - Sep 2025

Halifax, Canada

Charusat University

Bachelor of Computer Engineering — **GPA: 8.7/10**

Jun 2018 - Apr 2022

Gujarat, India

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- **Quality & Testing Collaboration:** Collaborated closely with cross-functional teams—including QA engineers—to develop and execute test cases for both customer-facing mobile and SaaS applications, ensuring adherence to high quality and reliability standards.
- **Test-Driven Development:** Actively participated in unit and integration testing during development, contributing to a robust, fault-tolerant product by identifying and resolving critical bugs early.
- **Automation & Diagnostics:** Automated critical diagnostic procedures using Python scripts, streamlining the debugging process and reducing manual intervention.
- **Performance & Regression Testing:** Worked across frontend and backend teams to identify and resolve bugs, implement robust testing procedures, and perform regression testing after updates to maintain system resilience under heavy load.
- **Mentorship & Best Practices:** Led code reviews and mentored junior developers, establishing best practices that emphasized quality control, reducing technical debt by 40%, and reinforcing rigorous testing standards.

Projects

ServiceHub | Source Code

React.js | Spring Boot (JAVA) | MySQL

- Architected a scalable platform connecting service providers and requesters, achieving a **20% increase in user engagement**.
- Designed backend using Spring Boot and MySQL, ensuring **99.9% uptime** and responsiveness even during peak traffic.
- **Improved application performance by 30%** through the implementation of **real-time interactions** and optimized caching strategies, reducing latency.

K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Implemented a microservices architecture using Kubernetes, featuring two Spring Boot containers that communicated efficiently for data processing tasks.
- **Automated CI/CD pipeline** using Docker and CloudBuild, **reducing deployment configuration time by 30%** and enhancing the agility of the release process.

Technical Skills

Programming: Python, Kotlin, Java, Swift, SQL, Go, TypeScript

Testing & QA: Test-Driven Development, Unit Testing, Integration Testing, Manual & Regression Testing, Familiarity with automation scripting

Tools & Frameworks: JIRA, Git (GitHub, GitLab, Bitbucket), Selenium/Appium (eager to expand proficiency)

Cloud & DevOps: AWS, Google Cloud Platform (GCP), Docker, Kubernetes, CloudBuild, CI/CD Pipelines

Data Engineering & Databases: SQL Server, MySQL, DynamoDB, Redis, ETL Processes

Web & Backend Technologies: React.js, Angular, RESTful APIs, Spring Boot (Java/Kotlin), Node.js

Version Control & Tools: Git (GitHub, GitLab, Bitbucket), JIRA, ZOHO

Methodologies: Agile (Scrum), Software Development Life Cycle (SDLC)

Soft Skills: Effective communication, analytical thinking, eager learner, strong collaborator, problem solving mindset