

# VRAJ SHAH

+9029941436   shahvraj2016@gmail.com   linkedin.com/in/vraj-shah   github.com/shah-vraj   portfolio   Blog

## Objective

Motivated and adaptable software developer with over **2 years of professional experience** delivering scalable **backend and mobile solutions**. Seeking to leverage expertise in **cloud technologies, Python, SQL, and software development** to contribute as a Technology Software Engineer Intern at American Express. Eager to work on global-scale software projects, focusing on innovation and team collaboration.

## 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

- Designed and delivered full-stack solutions, from initial idea to production release, **working with both customer-facing mobile and SaaS applications**.
- Collaborated closely with cross-functional teams** including backend engineers, designers, and QA teams to ensure that mobile solutions met customer requirements and were delivered on time with high quality
- Proposed and built scalable and fault-tolerant backend services using Spring Boot and Kotlin, **optimizing performance and system reliability, reducing operational costs by 40%**.
- Automated critical diagnostic procedures using Python scripts, **improving debugging processes and decreasing manual intervention**, enhancing overall development efficiency.
- Developed and optimized cloud-based microservices architecture using **Docker, Kubernetes, and CloudBuild**, streamlining deployment pipelines, and ensuring **99.9% service uptime**.
- Worked across both frontend and backend teams to **identify and resolve bugs**, implement robust testing procedures, and ensure system resilience under heavy load.
- Led code reviews and mentor junior developers**, establishing best practices and **reducing technical debt by 40%**, fostering an environment of continuous learning and improvement.

## 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

**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

**Development Practices:** Data Structures, Algorithms, Test-driven Development, Multi-threading

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

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