






# VRAJ SHAH

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## Objective

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Motivated and adaptable software developer with two 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 Data Engineer Co-op Student at Nova Scotia Health.

## Education

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### 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

## Work Experience

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### Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- Designed and implemented complete software solutions from initial idea to production release, **delivering customer-facing mobile and SaaS applications**.
- Collaborated closely with cross-functional teams** including backend engineers, designers, and QA to deliver high-quality mobile solutions aligned with customer needs.
- Proposed and implemented scalable and fault-tolerant backend services using Spring Boot and Kotlin, **optimizing system efficiency by 40%**.
- Utilized Python scripting to automate diagnostic procedures**, enhancing debugging efficiency and reducing manual intervention.
- Developed and optimized cloud-based microservices architecture using **Kubernetes, Docker, and CloudBuild** to streamline deployments and ensure service availability.
- Assisted in debugging and troubleshooting both backend and frontend systems, implementing **comprehensive test procedures to ensure high system availability and performance**.
- Led code reviews, promoted best coding practices, and encouraged knowledge sharing, **reducing technical debt by 40%**.

## Projects

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### ServiceHub | Source Code

React.js | Spring Boot (JAVA) | MySQL

- Developed a scalable web application connecting service providers and requesters, **increasing user engagement by 20%**.
- Architected a robust backend using Spring Boot and MySQL, **achieving 99.9% uptime**.
- Enhanced application performance by 30%** through real-time interactions and caching strategies.

### K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Implemented a Kubernetes-based **microservices architecture** with two Spring Boot containers, enabling seamless communication where a public-facing container invoked another internal service.
- Automated deployments with **Docker containers** and integrated **CloudBuild** for CI/CD pipelines and streamlined release processes, **reducing configuration time by 30%**.

## Technical Skills

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**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