

# VRAJ SHAH

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## 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

Software Engineer

Dec 2021 - Nov 2023

Ahmedabad, India

- Developed and optimized scalable Android and iOS mobile applications, such as Drone Control and Vring, **achieving a 40% performance improvement** by implementing efficient code structures.
- Designed backend services using Spring Boot (Java/Kotlin) and RESTful APIs, **enhancing backend scalability and reducing downtime**.
- Implemented CI/CD pipelines using Jenkins and GitLab, **reducing deployment issues by 25%** through automated build and deployment processes.
- Containerized applications using Docker and deployed them on Kubernetes clusters to **enhance application scalability and resilience**.
- Leveraged Terraform to provision and manage infrastructure, **streamlining resource deployments** and ensuring environment consistency.
- Improved app reliability by integrating Firebase Crashlytics and resolving crash issues, **resulting in a 35% reduction in crash rates**.
- Conducted code reviews, established coding standards, and collaborated in Agile development environments, **achieving 30% faster feature releases**.

## Projects

### ServiceHub | Source Code

ReactJS | Spring Boot (JAVA) | MySQL

- Built a scalable web application connecting service providers and requesters, achieving a 20% increase in user engagement by implementing features like e-signed contracts and feedback systems.
- Architected a robust backend using Java Spring Boot and integrated it with ReactJS, achieving 99.9% uptime and facilitating multi-user workflows for over 1,000 active users.

### K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Architected a containerized microservices platform using Docker and Kubernetes, ensuring secure, scalable, and fault-tolerant communication between services.
- Implemented infrastructure-as-code (IaC) using Terraform, streamlining the provisioning and management of Kubernetes resources and cloud infrastructure.
- Configured Kubernetes deployments, services, and ingress rules to ensure scalability, secure communication, and fault tolerance between microservices.

## Technical Skills

**Operating Systems:** Windows, Linux, macOS

**IT Support & Administration:** Office 365, Active Directory, System Troubleshooting, Ticketing Systems

**Networking & Security:** TCP/IP, VPN, Firewalls, Network Administration, Cybersecurity Best Practices

**Cloud & DevOps:** AWS, Azure, Google Cloud, CI/CD, Docker, Kubernetes

**Programming Languages:** Java, Kotlin, Python, JavaScript, SQL

**Database Management:** MySQL, MongoDB, PostgreSQL

**Soft skills:** Strong analytical and problem-solving skills with a proactive approach to troubleshooting. Excellent written and verbal communication skills, facilitating effective collaboration and training. Ability to work independently and within a team, adapting quickly to dynamic IT environments. Strong organizational skills, ensuring timely completion of tasks and IT support tickets.