

VRAJ SHAH

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Technical Skills

Programming Languages: Go, Python, Kotlin, Java, Bash, JavaScript, TypeScript, SQL

Distributed Systems & DevOps: Kubernetes (K8s), Docker, CI/CD (GitHub Actions, GitLab CI, Jenkins), Cloud (AWS, Azure DevOps)

Backend Development: Microservices, RESTful APIs, Spring Boot, Node.js, GoLang

Monitoring & Logging: Prometheus, Grafana, Splunk, New Relic, CloudWatch

Database Management: MySQL, PostgreSQL, Firebase Firestore

Software Development Practices: Agile (Scrum), Test-Driven Development (TDD), System Design

Soft skills: Strong communication, Problem solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Time management, Ability to learn continuously

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- Developed scalable and optimized distributed backend solutions using Java and Spring Boot, **increasing application performance by 40%**, resulting in an enhanced user experience and faster load times.
- Built containerized microservices and deployed them using Kubernetes and Docker, **ensuring high availability and fault tolerance**.
- Optimized SQL and MongoDB queries, leading to faster and more accurate data retrieval, which significantly improved data integrity and application response times.
- Automated CI/CD pipelines using Jenkins and GitLab, **reducing deployment issues by 25%**, ensuring consistent build and deployment processes across the development team.
- Designed monitoring and alerting systems using Prometheus and Grafana, **proactively identifying and resolving infrastructure issues**.
- Conducted comprehensive code reviews and enforced coding best practices, increasing code maintainability and **reducing code-related issues by 75%**, leading to a more efficient development workflow.
- Collaborated with cross-functional teams in an Agile environment, streamlining bug fixes and new feature releases, which significantly improved product development cycle, delivery timelines and software stability.

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.
- Applied Object-Oriented Programming principles (e.g., classes, objects, inheritance) to design modular and reusable code for the backend, ensuring maintainability and scalability.
- 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.

K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Implemented Kubernetes-based microservices architecture, creating a highly available system with two Spring Boot containers, **ensuring secure communication and fault tolerance between services**.
- Deployed microservices using Kubernetes and automated deployment processes with CloudBuild, **improving deployment speed and scalability by 40%**.
- Worked with Docker containers to facilitate easy application deployment, **increasing the speed of testing and production cycles** while ensuring a consistent environment across development and production.