Vraj Shah

📞 +19029941436 ✉ shahvraj2016@gmail.com 💼 linkedin.com/in/vraj-shah ⚡ github.com/shah-vraj 💼 portfolio 📋 Blog

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*

Work Experience

Simform Solutions   Dec 2021 - Nov 2023
Software Engineer   *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

Programming Languages: Java, Kotlin, JavaScript, Swift, Python
Backend Technologies: Spring Boot (Java/Kotlin), Node.js, RESTful API design, Test-Driven Development (TDD)
Cloud & DevOps: AWS, GCP, Firebase, Docker, Kubernetes, Terraform, CI/CD (Jenkins, GitLab, GitHub Actions)
Frontend Technologies: HTML, CSS, JavaScript, ReactJS, Bootstrap, TailwindCSS
Databases: MySQL, MongoDB, SQLite, DynamoDB
Version Control & Collaboration: Git (GitHub, GitLab, BitBucket), JIRA, ZOHO
Infrastructure Automation: Terraform, Kubernetes configurations
Testing Tools: JUnit, Mockito, Espresso
Soft Skills: Problem-solving, Effective Communication, Team Collaboration, Adaptability, Critical Thinking