Vraj Shah

+19029941436 | shahvraj2016@gmail.com | linkedin.com/in/vraj-shah | github.com/shah-vraj | portfolio | Blog

Professional Summary

Software Developer with 2+ years of experience in native Android and iOS development, specializing in Java, Kotlin, Python, and Swift. Proven ability to build scalable applications, optimize performance, and implement robust backend solutions. Passionate about AI-driven development, cloud computing, and backend engineering. Currently pursuing a Master's in Applied Computer Science at Dalhousie University, actively exploring AI, ML, and backend system design. Strong problem-solver with a keen focus on delivering high-quality software solutions through collaboration and innovation.

Technical Skills

Programming Languages: Python, Java, Kotlin, Swift, C++, SQL, JavaScript

Software Development: Data Structures & Algorithms, OOP, Agile Methodologies, Version Control (Git, GitHub, GitLab, BitBucket, Azure)

AI & ML (Basic Knowledge): Neural Networks, Model Training, TensorFlow, OpenAI APIs

Backend Development: RESTful APIs, Spring Boot (Hibernate, MVC, Security), Node.js, Microservices

Cloud & DevOps: AWS (EC2, S3, Lambda, IAM), Azure, Kubernetes, Docker, CI/CD (GitHub Actions, GitLab CI)

Databases: SQL (MySQL, PostgreSQL), Firebase, MongoDB

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

Work Experience

Simform Solutions **Dec 2021 - Nov 2023**

Software Engineer *Ahmedabad, India*

- Developed AI-driven chat automation by integrating OpenAI APIs and LLMs into backend services, reducing manual intervention in customer support by 60%, improving response accuracy.
- Optimized Java-based backend microservices, reducing API response times by 40%, ensuring a seamless experience for high-traffic applications.
- Implemented robust RESTful APIs with comprehensive error handling, reducing API failure rates by 35%, enhancing system reliability.
- Led debugging and performance optimizations, identifying and resolving complex production issues, reducing system downtime by 40%.
- Designed CI/CD pipelines using GitHub Actions, automating deployment workflows and decreasing release time by 50%, ensuring efficient software delivery.
- Collaborated in Agile teams, accelerating feature delivery cycles by 30%, contributing to sprint planning and cross-functional team discussions.
- Refactored legacy codebases, implementing design patterns to improve maintainability, reducing technical debt by 30%.
- Conducted code reviews and mentorship, leading to a 25% reduction in production defects, fostering a high-quality code culture.
- Participated in on-call rotations and bug triage sessions, proactively identifying and resolving system issues to maintain uptime and reliability.

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.
- Enhanced system security by implementing **JWT-based authentication** and **role-based access control** (RBAC), reducing unauthorized access incidents by 30%.

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.