Vraj Shah

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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 | Backend & Mobile Application Developer *Ahmedabad, India*

- **Boosted application performance by 40%** by developing scalable backend solutions using Java and Spring Boot, enhancing overall user experience.
- **Expedited feature rollouts by 30%** through the development of reusable components and adherence to clean architecture principles.
- **Enhanced data integrity and performance** by writing efficient queries for SQL and MongoDB, leading to faster and more accurate data retrieval.
- **Reduced deployment issues by 25%** by implementing automated CI/CD pipelines using Jenkins and GitLab for consistent build and deployment processes.
- **Increased code maintainability** by conducting comprehensive code reviews and implementing coding best practices, resulting in a 75% reduction in code-related issues.
- **Streamlined bug fixes and new feature releases** by collaborating with cross-functional teams in an agile environment, significantly improving product delivery timelines.

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 e-signed contracts, service management, and feedback systems to enhance trust and streamline interactions.
- Architected a robust backend using **Java Spring Boot** and integrated it seamlessly with **ReactJS**, achieving **99.9% uptime** while facilitating real-time interactions across multi-user workflows for over 1,000 active users.

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.
- Configured Kubernetes deployments, services, and ingress rules to ensure **scalability**, **secure communication**, and **fault tolerance** between microservices.

Habit | *APK* | *Source Code* **Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDb**

- Created an intuitive **habit-tracking mobile app** aimed at empowering users to build and manage daily routines; incorporated user feedback into design, resulting in a **40% increase in daily active users.**
- Engineered a robust **Spring Boot backend** integrated with **MongoDB**, achieving secure data storage and enabling seamless **real-time synchronization** across five different devices for enhanced user experience in habit tracking.

Technical Skills

Programming Languages: Java, Kotlin, JavaScript, Swift, Python

Frameworks & Libraries: Spring Boot, Hibernate, ReactJS, Node.js, Test-Driven Development (TDD)

APIs & Web Services: RESTful API design and integration

Databases: MySQL, MongoDB, SQLite, NoSQL

Cloud & DevOps: AWS, Azure, CI/CD Pipelines (Jenkins, GitLab), Docker, Kubernetes, Firebase

Tools: Git, GitHub, GitLab, BitBucket, Jira, Code Reviews, Unit testing frameworks

Methodologies: Agile development (stand-ups, sprint planning), collaborative problem solving, critical thinking

Soft skills: Strong problem-solving and analytical skills, Effective communication and team collaboration, Exceptional time management and adaptability, Focus on writing clean, maintainable code