Vraj Shah

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Professional Summary

Passionate Co-op Jr. Developer and Master of Applied Computer Science candidate with 2 years of professional experience in designing and developing scalable software solutions. Proficient in Java, Kotlin, Swift, and RESTful API integration, with hands-on exposure to microservice architectures and database management (MySQL, MongoDB). Demonstrated ability to thrive in agile teams and a strong desire to learn new technologies. Interested in contributing innovative solutions and further developing skills under experienced mentors at MOBIA.

Education

Dalhousie University   **Jan 2024 - Sep 2025**
Master of Applied Computer Science — 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*

- Designed and implemented complete software solutions from initial idea to production release, delivering customer-facing mobile and SaaS applications achieving a 40% performance boost through optimized code structures while adhering to SDLC principles.
- Collaborated closely with cross-functional teams including backend engineers, designers, and QA to deliver high-quality mobile solutions aligned with customer needs, and delivered features on time by applying continuous iteration, code reviews and test-driven development strategies.
- Contributed to system design and architectural discussions, proposing and implementing scalable and fault-tolerant backend services using Spring Boot and Kotlin, optimizing system efficiency by 40% and utilized Python scripting to automate diagnostic procedures, enhancing the efficiency of the debugging process.
- Assisted in debugging and troubleshooting both backend and frontend systems, implementing comprehensive test procedures to ensure high system availability and performance, reducing deployment failures by 25%.
- Led code reviews, promoted best coding practices, and encouraged knowledge sharing to foster a culture of continuous improvement, reducing technical debt by 40%.

Projects

ServiceHub | *Source Code*   **ReactJS | Spring Boot (JAVA) | MySQL**

- Developed a scalable web application connecting service providers and requesters, achieving a 20% increase in user engagement through secure and scalable contract management system and streamlined service workflows.
- Architected a robust backend using Spring Boot, optimizing data workflows with MySQL achieving 99.9% uptime while facilitating real-time interactions and caching strategies to enhance application performance by 30%

K8s Microservices | *Source Code*   **Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild**

- Implemented a Kubernetes-based microservices architecture with two Spring Boot containers, enabling seamless communication between public-facing and internal services.
- Configured a Kubernetes-based microservices architecture, ensuring high availability and automated deployments, reducing configuration time by 30% through Docker and Kubernetes.

Technical Skills

Programming: Java, Kotlin, Swift, Python, C++, C#, JavaScript, Go, C

Frontend Technologies: ReactJS, HTML, CSS, Bootstrap, TailwindCSS

Backend Technologies: Spring Boot (Java/Kotlin), Node.js, RESTful APIs, Redis, ElasticSearch

Cloud & DevOps: AWS, Google Cloud Platform (GCP), Docker, Kubernetes, CloudBuild, CI/CD Pipelines

Databases: MySQL, MongoDB, DynamoDB, Redis, ElasticSearch, Room, Realm

Version Control & Collaboration: Git (GitHub, GitLab, Bitbucket), JIRA, ZOHO

Programming Fundamentals: Data Structures and Algorithms, Multi-threading, Test-driven Development

Soft Skills: Strong communication, active listening, teamwork, quick learner and enthusiastic about exploring emerging technologies, eager to benefit from one-on-one mentoring and continuous professional feedback