Vraj Shah

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Technical Skills

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

Development: ReactJS, Vue.js, HTML5, CSS3, TailwindCSS, Node.js, Spring Boot, RESTful APIs, Microservices, Apollo GraphQl (familiar)

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

Security & Automation: Secure coding practices, Infrastructure as Code (IaC), Automated testing

Database Management: MySQL, Firebase Firestore, MS SQL Server

Software Development Practices: Clean code, Agile (Scrum), Test-Driven Development (TDD), GitHub workflows

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

Work Experience

Simform Solutions   **Dec 2021 - Nov 2023**
Software Engineer   *Ahmedabad, India*

- **Developed and maintained scalable backend services** using Java and Spring Boot, **optimizing system performance and application response time by 40%** through efficient database queries and caching mechanisms.
- **Led frontend enhancements** using ReactJS and Vue.js, redesigning UI components and workflows to create a more intuitive user experience, which **reduced user friction by 25%.**
- **Designed and implemented cloud-native applications on AWS**, utilizing EC2, S3, Lambda, and Dynamo database for scalability, resulting in a **35% increase in deployment efficiency.**
- **Built and managed CI/CD pipelines** using GitHub Actions and Jenkins, automating deployments and **reducing manual intervention, cutting release cycle time by 30%.**
- **Automated infrastructure provisioning and deployments** with AWS CloudFormation and Terraform, ensuring consistency and **reducing infrastructure setup time by 40%.**
- **Developed secure authentication and authorization mechanisms** using OAuth and JWT, ensuring compliance with industry security standards and **protecting sensitive user data.**
- **Conducted code reviews and debugging, enforced best practices, and mentored junior developers**, which **reduced code-related issues by 75%** and improved overall code maintainability.
- **Collaborated in an Agile environment**, actively participating in stand-ups, sprint planning, backlog grooming, and retrospectives to align team goals with business objectives.

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.
- **Designed a scalable infrastructure** with EC2 Auto Scaling Groups (ASG), Elastic Load Balancer (ALB), and Amazon RDS (MySQL) **for high availability and fault tolerance**.
- **Automated infrastructure provisioning and deployment** using AWS CloudFormation, **ensuring consistent and repeatable cloud environments**.

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.