Vraj Shah

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Technical Skills

Programming Languages: Python, Bash, Go, Kotlin, Java, JavaScript, TypeScript, SQL, C#

Cloud/DevOps: AWS (S3, Lambda, IAM, Route53), Azure DevOps, Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins

Automation & Configuration Management: Bash, Python, Ansible, Puppet, Fabric, AWS Lambda (for cloud functions)

Testing & CI/CD: Jenkins, GitHub Actions, pytest, GitLab CI, Bamboo, Maven, Gradle

Version Control & Software Delivery: Git, Git Flow, Agile (Scrum), Test-Driven Development (TDD), GitHub webhooks

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

Work Experience

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

- **Improved application performance by 40%** by developing scalable backend solutions using Java and Spring Boot, **optimizing user experience**.
- **Automated infrastructure setup** and deployments with Bash, Ansible, and Puppet, **reducing manual overhead by 40%** and speeding up provisioning.
- **Optimized data queries for SQL and MongoDB**, improving retrieval speed and data integrity, **resulting in faster application performance**.
- **Reduced deployment issues by 25%** by implementing CI/CD pipelines using Jenkins and GitLab CI, **ensuring reliable and consistent builds**.
- **Improved code maintainability by conducting code reviews** and enforcing best practices, **reducing code-related issues by 75%.**
- Streamlined feature delivery by **collaborating with cross-functional teams** in Agile sprints, **improving release timelines**.
- **Managed Linux systems**, ensuring high availability and security of production environments, and monitored with Splunk and CloudWatch.

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.

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.