VRAJ SHAH

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Professional Summary

Software Engineer with hands-on experience in backend development, RESTful APIs, cloud infrastructure, and automation. Proficient in Java (JDK 17+), Spring Boot, Docker, Kubernetes, and Linux/Unix environments. Strong background in API development, scripting (Bash, JSON/XML parsing), and test automation (JUnit, Mockito, JMeter). Skilled in Agile (Scrum/SAFe) methodologies, CI/CD pipelines (Maven, GitHub Actions, GitLab CI), and cloud platforms (AWS, GCP, Azure). Passionate about building scalable, high-performance applications while collaborating in fast-paced teams.

Work Experience

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

- Reduced API response time by 30% by optimizing database queries and implementing caching, enhancing user experience for 10,000+ active users.
- Cut deployment time by 50% by automating CI/CD pipelines using GitHub Actions, GitLab CI, and Maven, accelerating feature releases.
- Improved system scalability by 40% by migrating 50+ microservices to Docker and Kubernetes, reducing infrastructure costs.
- Decreased production bugs by 40% by implementing Test-Driven Development (TDD) and integrating JUnit, Mockito, and JMeter for automation.
- Boosted security compliance by integrating JWT-based authentication, preventing unauthorized API access and enhancing system integrity.
- Saved 60% of setup time by automating infrastructure provisioning with Bash scripting, Docker, and Kubernetes, streamlining deployment.
- Increased feature delivery speed by 15% by collaborating in Agile (Scrum/SAFe) teams, ensuring seamless coordination between developers and stakeholders.

Technical Skills

Programming: Java (JDK 17+), JavaScript, TypeScript, Kotlin, Swift, Python, SQL

Frontend Technologies: React.js, Angular, VueJS, HTML5, CSS3, Bootstrap

Backend Technologies: Spring Boot (Java/Kotlin), Node.js, RESTful APIs, SOAP, SQL, MongoDB, PostgreSQL

Infrastructure & Automation: Docker, Kubernetes, Vagrant, Linux/Unix, Bash Scripting, JSON/XML Parsing

Build & Version Control: Maven, Gradle, Git, GitHub Actions, GitLab CI, Jenkins

Testing & DevOps: JUnit, Mockito, PowerMock, JMeter, Postman

Networking & Cloud: AWS, Azure, Google Cloud, IP Networking, Protocols

Agile & Collaboration: Scrum, SAFe, JIRA, Test-Driven Development (TDD)

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

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**

- Developed a scalable web application using ReactJS and Spring Boot, optimizing frontend performance by 40% through modular UI components and enhancing user experience.
- Applied Object-Oriented Programming (OOP) principles to design maintainable backend systems, achieving 99.9% uptime for over 1,000 active users.
- Implemented RESTful APIs to enable seamless communication between the frontend and backend. Implemented JSON and XML parsing for seamless data exchange.

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

- Developed and automated deployment of Kubernetes-based microservices architecture using CloudBuild, ensuring high availability and secure communication across containers and increasing scalability and deployment speed by 40%.
- Utilized Google Cloud Platform (GCP) and Docker for cloud-based microservices, ensuring scalable service deployment and effective container orchestration using Kubernetes.

RESTful User Management API   **Flask | REST API | PostgreSQL | Docker**

- Developed a scalable REST API using Flask for user authentication and management, improving API response times by 40%.
- Implemented role-based access control (RBAC) with JWT authentication, enhancing security and reducing unauthorized access incidents by 30%.
- Optimized database queries in PostgreSQL, reducing query execution time by 50%, ensuring efficient data retrieval.
- Containerized the application using Docker, enabling seamless deployment across various environments, reducing setup time by 60%.