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.

BidWise　　　　　　　**Angular | Spring Boot (JAVA) | Typescript | MySQL | TDD | Stomp Socket**

- Designed and developed an online live auction application using Spring Boot allowing users to participate in live auction and bid on the listed items also allowing them to add items for auction selecting time of their choice, integrating Stripe for payments and Stomp to create socket channel for continuous bidding by users.
- Followed SDLC and implemented JWT tokens for secure and efficient REST API request authorization. Automated the deployment process with CI/CD pipeline using GitLab CI, streamlining code integration, testing, and deployment across multiple environments.
- Leveraged Angular's modular design to build a structured and maintainable front end and integrated JWT authentication within Angular's HTTP interceptors to manage secure API requests seamlessly.