

Viraj Patel

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PROFESSIONAL SUMMARY

Experienced Software Engineer with 3+ years of expertise in building scalable full-stack applications by integrating front-end technologies (Angular, React) with back-end frameworks (Spring Boot, Node.js). Proficient in designing RESTful APIs and microservices architectures backed by relational and NoSQL databases (MySQL, MongoDB, Redis, Cassandra), and deploying solutions across AWS and cloud-native platforms. Established DevOps practices using Docker, Jenkins, and CI/CD pipelines, and collaborating in Agile environments to deliver maintainable, high-performance solutions focused on user experience, efficiency, and reliability.

WORK EXPERIENCE

HCL Tech

USA

Software Engineer

Aug 2024 - Present

- Achieved 99.9% uptime and seamless cloud scalability by architecting a modular Node.js microservices stack and containerizing services for automated deployments on AWS.
- Engineered responsive, real-time user interfaces using Angular and React.js, optimizing component performance and usability, resulting in a 25% increase in user engagement.
- Implemented asynchronous data pipelines and service communication using Apache Kafka and RabbitMQ, increasing message throughput by 40% and reducing system response time by 30% for real-time operations.
- Integrated event-driven architectures using AWS Lambda and SQS, enhancing system responsiveness and decoupling microservices for improved maintainability.
- Collaborated with 5+ cross-functional teams throughout the end-to-end Software Development Life Cycle (SDLC), utilizing JIRA for Agile sprint management to deliver features ahead of schedule.

Oracle

India

Software Engineer Intern

Jan 2023 - Jul 2023

- Built Python automation scripts to configure and test 30+ Jira/Confluence plugins, reducing repetitive manual tasks and increasing operational efficiency by 35%.
- Created and maintained 100+ Jira macros using custom JQL queries and version-controlled scripts, improving sprint planning accuracy and decreasing latency by 20%.
- Designed diagnostic scripts to audit plugin configurations and monitor system health, enabling early detection of misconfigurations and reducing QA manual checks by 30%.
- Implemented validation checks for 20 plugin features and embedded them in CI pipelines, identifying bugs pre-release and improving plugin uptime across production.

Mindtree

India

Software Engineer

Jan 2021 - Dec 2022

- Delivered audit logging, inventory updating, and financial reconciliation features, evidenced by zero data-consistency issues across monthly releases, by building Spring Boot REST APIs with full ACID compliance.
- Reduced API latency by 30% by optimizing asynchronous processing and query handling in Spring Boot, improving overall user-perceived performance during peak loads.
- Ensured high availability for cloud-native workloads by orchestrating AWS EC2, S3, Lambda, API Gateway, and DynamoDB, eliminating single points of failure and enabling blue-green deployments.
- Streamlined backend logic with Servlet-based request handling and effective use of JSTL to separate business logic from view layers, improving maintainability and MVC compliance.
- Directed code review and test automation with JUnit, Mockito, and Jenkins pipelines, reducing bugs by 35% and ensuring production-readiness through consistent integration checks.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript (ES6), TypeScript, SQL, C, C++, C#, GO, Shell Scripting

Web Technologies: HTML5, CSS3, Bootstrap, jQuery, AJAX, JSP, Servlets, JSTL, JSON, XML

Frameworks & Libraries: Spring (MVC, Boot, Security), Hibernate, Microservices, Django, Flask, React.js, Vue.js, Node.js, Express.js

Cloud: AWS (ECS, Lambda, S3, DynamoDB, SQS, SNS, Cloudformation), Microsoft Azure, Google Cloud Platform (GCP)

Database & Data Management: MongoDB, MySQL, PostgreSQL, Redis, Cassandra, Oracle, JDBC, SQL Server, Snowflake

DevOps & Version Control: Docker, Jenkins, Maven, Git, GitHub, GitLab, Kubernetes

Methodologies: SDLC, Agile/Scrum, Waterfall, Test-Driven Development (TDD)

Development Tools: Visual Studio Code, IntelliJ, Eclipse, Salesforce, Postman, JIRA, Confluence

EDUCATION

Syracuse University

Syracuse, USA

Master of Science in Computer Science

Aug 2023 - May 2025

Nirma University

Ahmedabad, India

Bachelor of Technology in Computer Science

Aug 2019 - Jun 2023