Rishik Vadapalli

Full Stack Software Developer

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Professional Summary

- Full Stack Software Developer with 3 years of experience designing, developing, and deploying scalable web applications and enterprise solutions across finance, automotive, and technology domains.
- Experienced in backend development with Python, SQL Server, and PostgreSQL, delivering high-performance data solutions that improve application scalability and support business-critical operations.
- Proficient in RESTful APIs and GraphQL, with expertise in developing and testing applications using Postman, JUnit, and Mockito to deliver reliable, production-ready solutions.
- Experienced in cloud platforms (AWS, GCP) and infrastructure-as-code (Terraform), enabling robust deployments, automation, and CI/CD workflows in agile environments.
- Adept at working in Agile/Scrum teams, collaborating with cross-functional stakeholders to deliver end-to-end solutions that improve operational efficiency and drive business growth.

Skills

Programming Languages & Databases: C, C++, Java (8–17), Python, JavaScript, TypeScript, SQL, NoSQL, MySQL, PostgreSQL, MongoDB, Oracle, SQL Server, DynamoDB

Frameworks & Libraries: Spring Boot, Spring MVC, Spring REST, Spring Batch, Spring Security, Spring Data JPA, Hibernate, Node.js, React.js, Redux, Bootstrap, jQuery, Ajax, JSON, XML

Cloud & DevOps: AWS (EC2, S3, Lambda, SQS, SNS, API Gateway, EKS, ELK Stack, CloudFormation), GCP, Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI, Terraform

Testing & Tools: JUnit, Mockito, Postman, SoapUI, IntelliJ IDEA

Project & Collaboration Tools: Agile, Scrum, TDD, Jira, Confluence, Git, GitHub, Bitbucket, MS Teams, Slack, Figma

APIs & Messaging: RESTful API, GraphQL, Kafka

Education

Master of Science in Computer Science | University of Central Oklahoma, Ok

Bachelors In Information Technology | CMR College of Engineering and Technology, Hyderabad

Work Experience

S&p global, USA | Full Stack Software Developer   **Sep 2024 – Current**

- Optimized React.js applications with Redux state management, improving application scalability and reducing state-related bugs by 35%, resulting in a smoother and more consistent user experience across modules.
- Developed RESTful APIs using Spring Boot and Spring REST to deliver scalable, high-performance microservices, improving system response times and reducing integration issues by 40% across front-end and back-end layers.
- Engineered data persistence layers using Spring Data JPA and Hibernate ORM, achieving 29% accuracy in CRUD operations across multiple enterprise applications, which reduced manual query handling.
- Spearheaded CI/CD pipeline implementation using GCP Cloud (Cloud Build & Cloud Deploy), reducing build and deployment time by 45%, improving release frequency, and minimizing downtime for critical applications.
- Implemented microservices architecture with Docker containers, orchestrating services for backend APIs, frontend modules, and databases, system scalability, and reduced downtime during scaling operations by 60%.
- Applied Terraform state management using remote backends and workspaces, improving team efficiency by 40%, while ensuring safe, version-controlled, and collaborative infrastructure operations that reduced deployment risks.
- Automated comprehensive API and microservice testing using Mockito in Spring Boot, developing robust test suites to simulate real-world interactions and validate business logic, leading to a 42% reduction in integration defects.

Groovy web, India | Full Stack Software Developer   **Aug 2021 – Jul 2023**

- Built Agile engineering practices such as pair programming, continuous integration, and code reviews, improving development efficiency and reducing defect density by 32%.
- Enhanced RESTful APIs with Spring MVC, enabling seamless data exchange across microservices and front-end frameworks, improving response time by 28% and boosting cross-team integration efficiency.
- Migrated on-premise applications to AWS cloud environment with zero downtime, enhancing system availability and cutting infrastructure costs by 35% annually.
- Executed Kubernetes Ingress and Service Mesh (Istio/Linkerd) for traffic management, security, and observability, which improved application performance by 35% and monitoring & logging capabilities across distributed systems.
- Established schema-first GraphQL architecture with resolvers, mutations, and subscriptions, improving API response accuracy and reducing overall API payload size by 50%.
- Boosted SQL Server databases with normalized schemas, indexes, and stored procedures, improving query

performance and reducing data retrieval time by 35%, which enhanced overall system efficiency for large-scale enterprise applications.

Certifications

- Python and SQL for Data Science - Scalar
- Artificial Intelligence with Python - Great Learning
- React JS - Scalar
- Full Stack Web Development and Mobile App Development with React JS, React Native, NodeJS, MongoDB - Udemy
- Data Analyst in Python, Tableau, SQL & ChatGPT with Projects - Udemy
- Complete Tableau Training for Absolute Beginners – Udemy
- The Complete Full-Stack Web Development Bootcamp - Udemy
- Walmart USA - Advanced Software Engineering Job Simulation - Forage
- Introduction to Data Engineering on Google Cloud - Google Cloud Skills Boost
- Forage-powered JPMorgan Chase & Co. Software Engineering Virtual Experience Program!
- Technology Job Simulation - Deloitte Australia