Sai Santhosh Kambhampati

Software Engineer

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SUMMARY

Software Engineer with 4+ years of experience developing scalable, enterprise-grade applications. Proficient in Java, Spring Boot, REST APIs, SQL, and cloud platforms like AWS. Experienced in full-stack development, system design, and CI/CD pipelines. Recognized for writing clean, maintainable code and delivering high-impact solutions in fast-paced environments.

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, SQL, Bash
Frameworks & Libraries: Spring Boot, React.js, Node.js, Express.js, Redux, JPA
Web Development: HTML5, CSS3, JSP, RESTful APIs, AJAX, JSON, Bootstrap, Material UI
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Jenkins, Git, GitHub, GitLab CI/CD, Maven
Database Technologies: MySQL, PostgreSQL, Oracle DB, MongoDB, Redis
Testing & Quality Assurance: JUnit, Mockito, Postman, Selenium, REST Assured
Tools & IDEs: IntelliJ IDEA, Eclipse, VS Code, JIRA, Confluence, Postman, Swagger
Architectural Patterns: Microservices, Monolithic, MVC, Layered Architecture
Development Practices: Agile, Scrum, TDD, Clean Code, SOLID Principles, Code Reviews
Other Technologies: Kafka (event-driven architecture), Kubernetes, Nginx, OAuth 2.0, JWT

EXPERIENCE

Software Engineer, Charles Schwab   **May 2024 – Present**

- Developed and deployed 8+ REST APIs using Java and Spring Boot, improving response time by 18% and handling 120K+ daily financial transactions.
- Designed and implemented microservices architecture for three core services, reducing deployment downtime by 40% and improving system scalability for high-volume transactions.
- Automated CI/CD pipeline using Jenkins and GitLab, cutting release cycle from 14 days to 3 days while maintaining zero deployment failures.
- Built AWS Lambda functions for batch processing 250K+ daily transactions, reducing overall processing time by 30% and improving resource utilization.
- Integrated OAuth 2.0 and JWT for secure API authentication, ensuring compliance with industry security standards and preventing unauthorized access to financial data.
- Optimized database queries for PostgreSQL and MySQL, reducing query execution time by 25% and improving overall application performance for trading operations.
- Conducted load testing using JMeter and REST Assured, ensuring APIs sustain 1,000 concurrent requests with latency under 200 milliseconds.

Software Developer, Adons Softech   **Apr 2021 – Dec 2022**

- Built and deployed five enterprise-grade applications using React.js and Spring Boot, serving 10K+ active users and reducing front-end load time.
- Designed and optimized PostgreSQL queries, improving database performance and reducing API response time for large data sets.
- Implemented Kafka-based event-driven architecture, handling 15K+ daily events with 99.9% delivery success for real-time updates across multiple services.
- Automated deployments using Jenkins and Docker, reducing release time from 2 hours to 15 minutes and minimizing manual errors during production rollout.
- Developed REST APIs supporting core business operations, achieving an average response time of under 300 milliseconds for high-volume transactional data.
- Conducted over 40 automated tests using JUnit and Mockito, increasing unit test coverage from 65% to 92% across multiple modules.
- Integrated AWS services like EC2, RDS, and S3 for hosting and data storage, reducing infrastructure cost by 20% through resource optimization.

Software Engieer Associate, Vivma Software Inc   **Jan 2020 – Mar 2021**

- Designed and developed six responsive web pages using HTML5, CSS3, and JavaScript, improving page performance by 22% for client-facing applications.
- Built three REST APIs using Spring Boot for real-time data retrieval, achieving sub-second latency and handling up to 5K daily requests.
- Implemented JWT-based authentication across two client applications, strengthening data security and preventing unauthorized access to sensitive customer information.
- Automated build and deployment processes with Maven and Jenkins, reducing manual deployment time by 80% and improving release consistency.
- Developed reusable React components for front-end applications, reducing code duplication by 30% and speeding up feature development across multiple projects.
- Participated in 15+ Agile sprints, delivering user stories on time and maintaining 95% sprint completion rate for assigned development tasks.
- Wrote and executed automated tests using Selenium and JUnit, achieving 85% coverage and reducing post-release defects.

EDUCATION

Masters of Information Studies   **Mar 2023 – Oct 2024**
Trine University, Angola, Indiana

Bachelors of Information Technology   **May 2017 – Jun 2021**
Malla Reddy College of Engineering and Technology, India