Saikrishna Madala

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Profile

Software Development Engineer with 4+ years of experience in Java, Spring Boot, and RESTful APIs, delivering high performance backend systems on AWS and Azure. Spearheaded the development of RESTful APIs, resulting in 30% faster integration with cloud platforms. Automated CI/CD pipelines for 8+ services, reducing release time by 60%. AWS Certified Cloud Practitioner.

Skills

Front-end Technologies: HTML5, CSS3, JavaScript, Angular, React.js, Bootstrap, jQuery, AJAX, Redux, Figma.
Back-end Technologies: Java 11/17/21, Spring Boot, Spring MVC, Hibernate, JPA, JSF, RESTful APIs, Maven, Node.js, Express.js, TypeScript, Bash Script, Microservices
Database: PostgreSQL, MySQL, MongoDB, Oracle, NoSQL, Microsoft SQL Server.
DevOps & Tools: Docker, Kubernetes, Git, Visual Studio Code, JIRA, CI/CD Pipelines, Apache, Swagger, Postman, Jenkins, GitLab, AWS, AZURE, Nginx, Kafka, Rabbit MQ.
Methodologies: Agile Methodologies, Scrum, SDLC
Testing: JUnit, Selenium, Mockito

Professional Experience

Software Development Engineer, *Jefferies*   *March 2024-Present |New York, USA*
- Constructed a scalable internal trading and client reporting platform used by financial analysts and relationship managers to process high-volume transactions and generate real-time insights.
- Designed and developed backend services using Spring Boot microservices hosted on AWS, improving API response times by 20% and ensuring scalability for high-volume financial platforms.
- Collaborated with cross-functional teams (Frontend, DevOps, QA) to deliver 5 secure RESTful APIs that powered React-based trading dashboards, reducing integration and debugging time by 30%.
- Led the deployment and performance tuning of over 10 microservices on AWS EKS (Kubernetes), achieving low-latency support for over 50,000 concurrent users.
- Developed closely with DevOps to build Jenkins-based CI/CD pipelines, integrating automated tests and deployment checks that cut release cycles by 70% and reduced post-deployment incidents by 6 times.
- Implemented an in-app notification system using Spring Boot and SMTP to send real-time alerts, improving user engagement by 25% across 10,000+ users.
- Presented architecture designs and implementation strategies in biweekly reviews with senior leadership, ensuring technical alignment with enterprise compliance and security standards.

Software Developer, *Popcornapps*   *October 2019 – May 2022 |Hyderabad, India*
- Constructed and deployed a CRM-integrated E-commerce module using Azure Functions, helping reduce data retrieval time by 25%.
- Collaborated with business analysts and product owners to gather API requirements and business workflows, ensuring alignment with project goals and enhancing team communication.
- Spearheaded development of RESTful APIs for billing, marketing, and CRM integration, improving system interoperability by 30%.
- Coordinated containerizing services using Docker and Kubernetes, which reduced deployment time and simplified development environments.
- Guided code reviews and team discussions to learn best practices, resulting in improved code quality and consistency across microservices.
- Enhanced CI/CD infrastructure using Jenkins and Selenium, achieving a 50% reduction in post-release defects.
- Executed key tasks in the AWS cloud migration project, ensuring seamless data transition and enhanced platform reliability.

Education

Auburn University at Montgomery, Computer Science   **Alabama, USA**
Master of Science   **June 2022 – December 2023**

Sreyas Institute of Engineering and Technology   **Hyderabad, India**
Bachelor of Technology   **August 2015- June 2019**

Certificates

- Aws Certified Cloud Practitioner.