

SaiKrishna Madala

Software Development Engineer

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📍 USA

🌐 LinkedIn

🔗 Portfolio



Profile

Java Full Stack Developer with 4+ years of experience building scalable enterprise applications using Java, Spring Boot, RESTful APIs, React, and cloud platforms like AWS and Azure. Proven track record of optimizing system performance, implementing CI/CD pipelines, and delivering cloud-native microservices. Experienced in integrating application components with cloud-based networking services such as VPC, Load Balancers, and security groups. Passionate about writing clean, maintainable code and enhancing application reliability and deployment speed.

Skills

Front-end Technologies:

HTML5, CSS3, JavaScript, Angular, React.js, Bootstrap, jQuery, AJAX, Redux.

Database: PostgreSQL, MySQL, MongoDB, SQL Server, Oracle.

Testing: JUnit, Selenium, Mockito

Back-end Technologies:

Java, Spring Boot, Spring MVC, Hibernate, JPA, JSF, RESTful APIs, Maven, Microservices

DevOps & Tools: Docker, Kubernetes, Git, Visual Studio Code, JIRA, CI/CD Pipelines, Apache, Swagger, Postman, Jenkins, GitLab, AWS, Azure.

Methodologies: Agile, Scrum, SDLC

Professional Experience

Software Development Engineer, *Jefferies*

03/2024-Present | New York, USA

- Built and optimized Spring Boot microservices on AWS, improving response time by 20% and boosting system scalability.
- Developed RESTful APIs enabling seamless frontend-backend interaction and enhanced cloud integration.
- Containerized services using Docker and deployed on AWS EKS with auto-scaling and load balancing.
- Enhanced application performance by 20% by optimizing Spring Boot REST APIs and backend queries, resulting in faster response times and improved user experience.
- Managed deployment, auto-scaling, and load balancing of Spring Boot microservices on AWS EKS, ensuring high availability and seamless user access.
- Streamlined deployments using AWS Code Pipeline and Code Build, achieving consistent and automated CI/CD.
- Implemented in-app email notifications using Spring Boot, personalizing communications and improving UX.

Software Development Engineer, *Popcornapps*

10/2019 – 05/2022 | Hyderabad, India

- Architected a CRM-focused E-commerce Management module on Azure Functions, reducing data retrieval latency by 25%.
- Developed and deployed RESTful APIs integrating systems like billing and marketing, cutting integration time by 30%.
- Collaborated in peer code reviews to identify bugs, and maintain consistency across microservices.
- Managed containerization and Kubernetes-based deployments, enhancing delivery speed by 40%
- Set up Jenkins-based CI/CD pipelines with JUnit and Selenium tests, reducing defects by 50%
- Led AWS migration efforts, improving uptime by 30% and accelerating user engagement by 25%

Education

Master of Science, Auburn University at Montgomery, Computer Science

06/2022 – 12/2023 | AL, USA

Relevant Courses: Data Structures, Algorithms, Distributed Systems, Database Systems

Certificates

- AWS Certified cloud Practitioner.