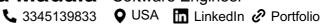
Sai Krishna Madala Software Engineer

saikrishna26031098@gmail.com







Profile

Results-driven Software Engineer with 4+ years of experience building scalable backend systems and fullstack applications using Java, Spring Boot, Kafka, and AWS. Adept in designing microservices, optimizing performance, deploying on cloud infrastructure, and implementing CI/CD pipelines. Strong foundation in Data Structures and Algorithms, microservice architecture, clean code principles along with problem-solving, and Agile development.

Skills

Front-end Technologies: HTML5, CSS3, JavaScript, Angular, React.js, Bootstrap, jQuery, AJAX, Redux

Back-end Technologies: Java, Spring Boot, Spring MVC, Hibernate, JPA, JSF, MVC Framework, RESTful APIs, Maven, Micro-

Database: PostgreSQL, MySQL, MongoDB, SQL Server, Oracle, Redshift, Cassandra

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

Testing: JUnit, Selenium, Automated Testing, Mockito

Methodologies: Agile, Scrum, SDLC

Cloud Technology: AWS (EC2, S3, RDS), Microsoft Azure

Professional Experience

Software Engineer, Jefferies

03/2024-Present | New York, USA

- Designed and implemented a Kafka-based data pipeline to replace the existing OneJEF system, ensuring seamless data retrieval from the front end.
- Developed Spring Boot services to consume Kafka topics and persist data into PostgreSQL.
- Automated daily job to retrieve inserted data, generate TXT reports, and securely transfer to PeopleSoft SFTP.
- Improved system scalability and asynchronous processing by 20% through Kafka integration
- Experienced in designing **low-latency**, highly available backend systems.
- Utilized Spring Boot and Kafka to streamline asynchronous data processing and reporting.
- Optimized database interactions using PostgreSQL, ensuring high performance and reliability for data ingestion and retrieval.
- Participated and collaborated for **system design** to ensure scalable and fault-tolerant architecture.

Software Engineer, Accenture

01/2022-05/2022| Hyderabad, India

- Led the development of responsive user interfaces for the e-commerce platform using Angular, Redux for state management, and Java, resulting in a 25% increase in user engagement by enhancing the application's overall responsiveness and visual appeal.
- Optimized Oracle databases by implementing advanced querying techniques, which improved query performance by 30%, ensuring faster data retrieval and enhancing application efficiency.
- Architected and developed robust server-side applications and RESTful APIs with Spring Boot boosting application reliability and scalability by 35% to support growing user demands.
- Containerized multiple applications using Docker and managed orchestration with Kubernetes, achieving a 40% improvement in deployment efficiency and simplifying the management of microservices architectures.
- Established and maintained CI/CD pipelines using Jenkins and Maven, integrating Junit and Selenium for automated testing, which reduced production bugs by 50% and accelerated the release process.
- Assisted in migrating legacy applications to AWS, leveraging cloud services to enhance performance, ensure seamless scalability, and reduce infrastructure costs by utilizing modern cloud-based solutions.

Software Engineer, Popcornapps

10/2019 – 12/2021 | Hyderabad, India

- Built enterprise CRM solutions using Java, Spring Boot, and JSF, aligning with business requirements and increasing customer satisfaction by 25%.
- Designed and deployed RESTful APIs with Spring MVC and Hibernate, enhancing data throughput and reducing latency by 25%.
- Implemented cloud-native deployments with AWS (EC2, S3, RDS) and Docker, enabling scalable and fault-tolerant application infrastructure.
- Attained 85%-unit test coverage using JUnit and Mockito, leading to a 50% reduction in production bugs and improving overall code reliability.

Education

Master of Science, Auburn University at Montgomery, Computer Science 06/2022 – 12/2023 | Montgomery, AL, USA