Venkata Rao Gonugunta

AWS Java Developer | Portfolio: Venkata Rao

Email: venkatraog1996@gmail.com   LinkedIn: linkedin.com/in/Venkata Rao   Mobile: +1 4302950339   Place: United States

SUMMARY

Experienced AWS Java Developer with 6+ years experience in designing and building scalable, cloud-native applications across finance and e-commerce domains. Specialized in Java, Spring Boot, Microservices, and REST API development, with strong expertise in AWS services including EC2, S3, RDS, DynamoDB, and IAM. Demonstrated hands-on expertise in Docker, Kubernetes, and CI/CD automation using Jenkins, along with experience in Kafka-based event-driven architectures. Delivered secure, high-availability systems using Spring Security and JWT, improving transaction processing efficiency by 30%.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript
- **Frontend Technologies:** HTML, CSS, Angular, React
- **Backend Frameworks & Architecture:** Spring Boot, Microservices Architecture
- **API & Integration:** REST API Development
- **Cloud Platforms:** AWS
- **Containerization & Orchestration:** Docker, Kubernetes
- **CI/CD & DevOps Tools:** Jenkins, GitHub Actions
- **Databases:** PostgreSQL, DynamoDB, SQL & NoSQL
- **Security & Identity:** JWT, OAuth2, AWS IAM
- **Messaging & Event Streaming:** Kafka, AWS SQS, AWS SNS
- **Monitoring & Observability:** AWS CloudWatch, Prometheus, Grafana
- **Version Control:** Git

PROFESSIONAL EXPERIENCE

GM Financial
AWS Java Developer   January 2024 – September 2025
Project Name: Cloud-Native Financial Services Platform
Technologies: Java, Spring Boot, Spring MVC, Spring Data JPA, Spring Security, JWT, Microservices, Kafka, PostgreSQL, AWS, EC2, S3, RDS, IAM, Docker, Kubernetes (EKS), Jenkins, JUnit, Mockito, Angular

- Engineered a cloud-native financial services platform using Java and Spring Boot microservices to support account management, loan processing, and fund transfers, improving transaction handling efficiency by 30%.
- Developed secure and scalable REST APIs using Spring MVC, Spring Data JPA, and PostgreSQL for high-volume financial transactions, ensuring low-latency responses and service availability.
- Resolved security and authorization challenges by implementing Spring Security with JWT-based authentication and AWS IAM policies, reducing unauthorized access incidents by 40%.
- Collaborated with teams including frontend developers, QA, and DevOps engineers across a 10+ member Agile team, delivering features on schedule and accelerating release cycles.
- Automated CI/CD pipelines using Jenkins, Docker, and Kubernetes (EKS) for microservices deployment on AWS EC2, reducing deployment time by 50% and improving release reliability.

Technox Technologies
AWS Java Developer   August 2019 – August 2022
Project Name: E-Commerce Order Management System
Technologies: Java, Servlets, JSP, Spring Core, Spring MVC, Hibernate, JDBC, MySQL, AWS, EC2, S3, RDS, Docker, Jenkins, JUnit, Mockito, HTML, CSS, JavaScript

- Engineered an end-to-end e-commerce order management system for products, orders, payments, and customers, supporting high-volume monthly transactions with stable system performance.
- Executed backend business logic using Core Java, Servlets, JSP, and later Spring MVC, enhancing application structure, maintainability, and request handling efficiency.
- Optimized scalability and performance by migrating from JDBC-based data access to Hibernate ORM, reducing database query execution time by 30%.
- Coordinated with a team of 6 developers, testers, and DevOps engineers in an Agile environment, ensuring consistent sprint delivery and reduced production defects.
- Streamlined build and deployment workflows using Jenkins and Docker on AWS EC2, integrating S3 for image storage and RDS MySQL for persistence, lowering manual deployment Vent effort by 45%.

NeoXam
AWS Java Developer   June 2018 – July 2019
Project Name: Banking Transaction Processing System
Technologies: Java, Spring Core, Spring MVC, Hibernate, Oracle, Kafka, AWS, EC2, S3, DynamoDB, Docker, Jenkins, JUnit, JSP

- Designed a banking transaction processing system for account operations and financial transactions, processing high-volume transactions per month with high reliability and data consistency.
- Implemented multithreaded backend components using Core Java and Spring MVC to handle concurrent transaction processing, improving system throughput and reducing processing latency.
- Optimized data persistence by implementing Hibernate ORM with inheritance mapping and Oracle database tuning, reducing transaction failure rates by 25%.
- Collaborated with a team of 5 developers, QA, and infrastructure engineers, delivering compliant banking features within planned timelines.
- Streamlined CI/CD pipelines and cloud deployments using Jenkins and Docker on AWS EC2, integrating Kafka, S3, and DynamoDB, improving release efficiency by 40%.

EDUCATION

Master of Science in Computer Science
Texas A&M University, Commerce, Texas, USA   August 2022 – December 2023

Bachelor of Technology in Mechanical Engineering
Lovely Professional University, Punjab, India   April 2013 – June 2017

CERTIFICATIONS

- Earned AWS Certified Cloud Practitioner.