Naveen Yerra

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Java Full Stack Developer

Java Full Stack Developer with 4.8 years of experience building enterprise-grade banking applications. Expertise in Java, Spring Boot, Hibernate and multithreading, using Oracle, PostgreSQL, MongoDB, and unit & integration testing to develop cloud-native microservices and secure REST API designs, integrated with Angular and ReactJS frontends. Optimized distributed systems and CI/CD pipelines, reducing latency by up to 30% in high-throughput environments. Strong foundation in Data Structures and Algorithms, ensuring performance tuning and clean architecture in agile, containerized deployments.

Technical Skills:

Core Languages: Java (Multithreading, Streams), Python, JavaScript

Frontend Frameworks: Angular, ReactJS, HTML5, CSS3, Bootstrap

Backend Frameworks: Spring Boot, Spring MVC, Hibernate, NodeJS, RESTful APIs, GraphQL

Cloud & DevOps: AWS (EC2, Lambda, S3, ECS, EKS, SQS, SNS, Terraform), Azure

Build & CI/CD: Maven, Jenkins, OpenShift, Harness, Docker, Kubernetes

Message Brokers: Apache Kafka

Build Tools: Maven, Gradle

Databases: Oracle, MySQL, PostgreSQL, NoSQL (MongoDB), PL/SQL, Elasticsearch, DynamoDB

Testing & Monitoring: JUnit, Mockito, Integration Testing, Swagger, Postman, Splunk, JMeter, Gatling, Zipkin

Methodologies: Agile (Scrum), TDD, SDLC

Work Experience:

HSBC Bank - Houston, Texas, USA | Jan 2024 - Present
Java Full Stack Developer

- Led modernization of the Entitlements module by refactoring monolithic components into Spring Boot microservices and developing secure RESTful APIs for role and access control.

- Integrated Redis for caching user permission data and Elasticsearch for real-time auditing in the Entitlements module, reducing access control latency by 30% and enabling efficient search across millions of access logs..

- Optimized Kafka consumer performance using multithreading, increasing transaction processing throughput by 30% under high-load conditions, ensuring low-latency processing across distributed systems.

- Developed real-time banking dashboards using React, GraphQL for data aggregation, and WebSockets for live updates, cutting frontend rendering time by 40% and enhancing user interaction accuracy.

- Implemented CI/CD pipelines with Jenksins, Docker, and AWS ECS, automating deployments for microservices and reducing errors by 85%.

- Implemented NoSQL database solutions using MongoDB to store and query unstructured customer metadata, improving data retrieval efficiency by 20% for real-time banking analytics.

- Developed unit and integration tests for Spring Boot microservices APIs using JUnit, Mockito, and Spring Boot Test, achieving 85% test coverage and reducing production defects by 28%.

- Debugged critical production issues using Splunk and AWS CloudWatch, resolving 95% of high-priority incidents within 2 hours, ensuring uninterrupted banking services.

HCLTech - Hyderabad, India | Feb 2023 - Jul 2023

Software Engineer

- Enhanced the Temenos Infinity digital banking platform for Euro Bank, adding custom features requested by the client and extending core functionalities using Java, Spring Boot, and AngularJS.

- Integrated Temenos T24 Core Banking APIs with a Spring Boot microservices using PostgreSQL as the primary database, designing relational schemas, optimizing queries, and data flow to reduce response times by 40%.

- Secured APIs using Spring Security with OAuth2 and JWT, integrating with Keycloak to manage authentication and fine-grained RBAC across distributed systems.

- Collaborated with Euro Bank's business and compliance teams to align digital banking features with European regulatory standards, ensuring 100% compliance with GDPR, KYC, and AML regulations.

- Performed code reviews for AngularJS and Spring Boot components, catching 20+ potential bugs before deployment, enhancing application stability for Euro Bank's digital platform.

Temenos - Hyderabad, India | Aug 2021 - Feb 2023
Product Engineer

- Developed and maintained Spring Boot microservices and RESTful APIs for cloud-native banking solutions, enhancing retail banking capabilities with seamless integration to Temenos Transact (T24) Core Banking.

- Designed and optimized the Account Management Microservice (AMS) for distributed systems, enhancing account management for current, savings, and deposit accounts, and reducing transaction processing time by 25% through efficient caching.

- Built RESTful APIs in the Payments module to support domestic (intra-bank and inter-bank), international transfers, P2P payments, and beneficiary management, improving transaction reliability by 15%.

- Enhanced payment API reliability by implementing JUnit and Mockito unit tests in Spring Boot microservices, reducing production defects by 25% for domestic and international transfers.

- Enhanced the Approval Matrix engine by leveraging design patterns (Strategy, Factory) to manage complex rule evaluations for payments workflows.

- Optimized complex SQL queries for customer data reporting, reducing query execution times by 30% and ensuring consistent performance across Oracle, MySQL, and MSSQL.

- Resolved production debugging issues in payment processing APIs using Zipkin and log analysis, reducing downtime by 15% and ensuring seamless transaction flows.

DBS Bank - Hyderabad, India | Jul 2020 – Aug 2021
Java Developer

- Developed an internal banking portal for DBS staff, integrating Spring Boot APIs and AngularJS to deliver a consolidated customer data interface, reducing data retrieval time by 35% and supporting 10,000+ staff users across branches.

- Developed RESTful APIs in Spring Boot to fetch and update customer profile details, reducing profile load times by 30% and enhancing employee productivity.

- Built UI components using AngularJS for account overview, transaction history, and alert preferences, enabling relationship managers to access key customer insights quickly.

- Developed and optimized SQL queries for retrieving and managing customer banking records, reducing query execution time by 20%, ensuring smooth user experience for bank staff.

Education:

Master of Science in Information Technology
Southern New Hampshire University, NH, USA, Dec 2024

Bachelor of Technology in Computer Science Engineering
CMR Institute of Technology, Hyderabad, Telangana, India, May 2021

Certifications:
- Oracle Certified Professional, Java SE 17 Developer (1Z0-829), 2024
- AWS Cloud Solutions Architect Professional Certificate, 2024