Machavarapu Mohan Durga Pradeep

8008191153 | mohanmachavarapu117@gmail.com | Linkedin | Github | LeetCode

PROFESSIONAL SUMMARY

Associate Software Engineer with hands-on experience building scalable backend systems using Java and Spring Boot in the FinTech domain. Skilled in designing RESTful APIs, database modeling, and performance optimization for high-concurrency applications. Familiar with distributed system concepts, cloud fundamentals, and eager to work with technologies like Kafka, Elasticsearch, and AWS in a fast-paced engineering environment.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS
Frameworks: React, Spring Boot, Spring MVC, Spring JPA, Spring Security, TestNG, Log4j
Developer Tools: Eclipse, VSCode, Git, Postman.
DataBases: PostgreSQL, Oracle, MySQL
Core Subjects: Data Structures and Algorithms, Operating Systems, DBMS
Cloud Distributed Systems (Familiarity):: AWS fundamentals (EC2, S3, IAM – conceptual),Message-driven systems (Kafka – learning)

EXPERIENCE

Pennant Technologies Pvt Ltd   July 2024 – Present
Associate Software Engineer   *Visakhapatnam, Andhra Pradesh*
- Engineered scalable backend microservices using Java and Spring Boot for enterprise Loan Origination systems, handling high-volume transactional workflows. enterprise-grade Loan Origination and Management Systems using Spring Boot and Hibernate, enhancing API efficiency by 45%.
- Streamlined SQL queries and refactored core RESTful API logic to enhance system scalability and reliability, supporting 25K+ concurrent users.Collaborated in an agile 3-member team to deliver critical modules with 98% unit test coverage and seamless ZK Framework integration.

Pennant Technologies Pvt Ltd   Jan 2024 – Jul 2024
Associate Software Engineer Trainee   *Visakhapatnam, Andhra Pradesh*
- Completed 6-month intensive training in Java, JDBC, Servlets, JSP, and SQL, building a strong foundation in backend development.
- Developed **Property Studio**, a web application managing 15+ data entities with full CRUD operations and integrated backend APIs.Coordinated with a 4-member trainee team to deliver production-ready features and present the project to senior engineers.

PROJECTS

Loan Management System | *React.js, Java, Spring Boot, Hibernate, MySQL*
- Delivered a full-stack Loan Management System that reduced loan processing time by automating multi-step approval workflows.
- Integrated frontend with REST APIs for real-time data flow between UI and backend services. Created 15+ RESTful APIs using Spring Boot for customer onboarding, loan processing, and repayment workflows.
- Designed a normalized MySQL schema to support 10K+ customer records with scalable indexing and efficient data retrieval. Applied layered architecture (Controller–Service–Repository) with secure session handling and form validations.

Property Studio Application | *Java, Spring Boot, jQuery, AJAX, PostgreSQL, Log4j*
- Created a comprehensive real estate CRM application to streamline communication and transactions between property agents and buyers. Enabled property agents to register and manage detailed listings, including unit specifications and amenities, while offering buyers a tailored search experience based on their preferences.
- Implemented role-based access control with distinct user roles, allowing customers to track booking progress, payments and property completion status in real time.

EDUCATION

JNTU GV Vizianagaram   August 2020 – May 2024
Bachelor of Technology in Information Technology (Honors)   *Vizianagaram, Andhra Pradesh*
CGPA: 8.64