

Sheikh Dawoodh M

Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer specializing in Java backend engineering with hands-on experience building scalable, concurrent web application systems using Spring Boot, REST APIs, and PostgreSQL. Trained and rigorously evaluated by senior engineers at Zoho Corporation across system design, concurrency handling, transaction management, and database architecture. Expanding into frontend development with React, JavaScript, HTML5, and CSS3 to deliver complete end-to-end solutions. Holds the IBM Java Developer Professional Certificate.

SKILLS

Programming Languages: Java, JavaScript, SQL

Frontend: React, HTML5, CSS3, Responsive Web Design

Backend: Spring Boot, REST API Development, Microservices, Hibernate, JPA, JDBC, MVC Architecture

Databases: PostgreSQL, MySQL, Schema Design, Indexing, Query Optimization, Transaction Management, ACID Compliance

Tools & Platforms: Docker, Git, GitHub Actions, Maven, Postman, Log4j, CI/CD, GitHub Copilot

Concepts: Agile, Scrum, OOP, Data Structures & Algorithms, System Design, Concurrency Handling, JUnit, Mockito

WORK EXPERIENCE

Backend Developer Trainee | Zoho Corporation

Jun 2024 – Nov 2025

Online Training & Rural Development Program (Evaluation-Based) — India

- Designed and developed modular backend systems using Java, JDBC, and MVC architecture, implementing clean separation of concerns across controller, service, and repository layers.
- Engineered PostgreSQL database schemas with normalisation, foreign key constraints, and multi-column indexing, achieving full ACID compliance across all backend operations.
- Implemented advanced transaction management with pessimistic locking, eliminating race conditions and ensuring data consistency in multi-user concurrent environments.
- Built and reviewed RESTful API designs and scalable class structures through technical sessions with senior Zoho engineers across multiple competitive evaluation phases.
- Advanced through rigorous selection into the Rural Development backend engineering program, demonstrating consistent performance on Java, data structures, and system design assessments.

Software Engineer Intern | Techmindz

Jun 2023 – Jul 2023

Kochi, India

- Developed and integrated Java RESTful APIs with frontend components using MVC architecture within an Agile sprint-based development cycle.
- Authored JUnit test cases covering backend service and validation layers, identifying and resolving regression defects across iterative releases.
- Refactored backend error-handling and input validation logic across multiple API endpoints, improving fault tolerance and reducing invalid request processing failures.

PROJECTS

Distributed Hotel Reservation System — Java, Spring Boot, PostgreSQL, JDBC, REST API, MVC

- Architected a concurrent hotel booking backend using pessimistic locking and ACID-compliant PostgreSQL transactions, ensuring zero booking conflicts under simultaneous user requests.
- Designed normalised relational schema with strategic multi-column indexing and foreign key constraints, optimising query performance for high-load reservation read-write operations.
- Exposed reservation functionality via RESTful API endpoints with structured input validation and error handling, enabling seamless integration with any frontend client.

Real-Time Bus Ticket Booking Engine — Java, PostgreSQL, REST API, MVC, JUnit

- Built a real-time seat allocation engine handling concurrent booking requests using SQL rollback mechanisms and optimised PostgreSQL indexing, improving query response time under load.
- Applied MVC architecture to fully decouple business logic from data persistence, enabling isolated unit testing of service layers using JUnit and Mockito.

EDUCATION

B.Tech — Computer Science and Engineering | APJ Abdul Kalam Technological University 2020 – 2024

Kerala, India | Coursework: Data Structures, DBMS, Operating Systems, OOP, Computer Networks, Web Technologies

CERTIFICATIONS

- IBM Java Developer Professional Certificate — IBM / Coursera, 2024 (Spring Boot, Hibernate, REST APIs, Microservices, Testing)
- Java Professional Development — Inspire, 2024
- Ethical Hacking Fundamentals — Internshala, 2023