Mohamed Zainudeen V A

Experience Summary

- 0.9 years of experience in backend and full-stack development.
- Skilled in Java, Spring Boot, Angular, and Microservices with solid design principles.
- Solved 200+ LeetCode problems with strong DSA skills (Graphs, Trees, Linked Lists, Binary Search).
- Basic knowledge of Machine Learning including classification, regression, and clustering.
- Built low-level systems like Library, Booking, Task Management, and Games in Java.

Skills Summary

Domain	Java Full Stack
Programming Languages	Java,Python,SQL,HTML/BootStrap/CSS,Javascript
Operating System / ERP Version	Windows 11
Tools / DB / Packages / Framework / ERP Components	SpringBoot,MicroServices,Angular,Github,Hibernate,

Professional Certifications/ Trainings

1. Ignite Certification in the domain of Java Developer.
2. Orchard Training in the domain of Java Full Stack Developer.
3. Completed Oracle Certified Java SE 11 Developer (1Z0-819) Certification.

Work Experience

Project 1

Project Name	Bank Safe Application	Team Size	1
Start Date	Aug 2024	End Date	Sep 2024
Project Description	The Bank Safe App offers a secure, user-friendly platform for real-time account management, transactions, and financial tracking.		
Role & Contribution	• **Built Banking System** with Java, Spring Boot & REST APIs. • **Secured Access** using JWT authentication. • **Managed Data** for customers, accounts, and loans with sorting. • **Processed Transactions & Loans** with error handling. • **Handled Credit Card Ops** including creation, updates, and payments.		
Technology & Tools	Java, Spring Boot, Angular, MySQL, JWT, Maven, Postman		

Project 2

Project Name	HealthCare Appointment Management System	Team Size	5
Start Date	Sep 2024	End Date	Oct 2024
Project Description	A healthcare system for booking appointments, managing schedules, and updating doctor availability to streamline care.		
Role & Contribution	• **Built Healthcare System** with Java, Spring Boot & Angular for secure appointments. • **Secured Access** using JWT-based authentication. • **Managed Patients** via REST APIs for registration and records. • **Enabled Real-Time Scheduling** for doctors and patients. • **Protected Medical Records** with secure endpoints. • **Improved Performance** using pagination for large datasets. • **Handled Errors** with clear exception messages.		
Technology & Tools	Java, Spring Boot, Angular, MySQL, JWT, Maven, Postman		

Project 3

Project Name	Online Examination System	Team Size	5
Start Date	Dec 2024	End Date	Jan 2025
Project Description	Online Exam System with secure authentication, question handling, answer submission, and scoring via scalable REST APIs.		
Role & Contribution	• **Built Online Exam System** using Java, Spring Boot & Angular. • **Secured Access** with JWT authentication. • **Enabled Exam Scheduling** with time-bound access. • **Handled Answer Submission & Scoring** via JSON input. • **Tracked Exam History** with scores and pass/fail status. • **Optimized Performance** using pagination for questions. • **Implemented Error Handling** for invalid or unauthorized actions.		
Technology & Tools	Java, Spring Boot, Angular, MySQL, JWT, Maven, Postman		

Project 4

Project Name	Forest Fire Detection using Random Forest Algorithm	Team Size	4
Start Date	May 2023	End Date	Jun 2023
Project Description	A system to detect forest fires from images using machine learning. Trained on labeled image data (Fire/No Fire) and used Random Forest for classification.		
Role & Contribution	• **Collected and preprocessed image** dataset (resizing, normalization, feature extraction) • **Extracted features** using color histograms, texture analysis (GLCM), and edge detection • **Trained Random Forest** model for fire classification using majority voting • **Implemented prediction pipeline** for new images with fire/no fire output • **Generated safety reports** with emergency contacts and evacuation tips upon fire detection		
Technology & Tools	Python, Scikit-learn, OpenCV, NumPy, Pandas, Matplotlib		

Project 5

Project Name	Call Taxi Booking System	Team Size	1
Start Date	Self-Initiated	End Date	Ongoing
Project Description	A console-based taxi booking system simulating real-time ride allocation using location mapping, cost calculation, and admin profit tracking.		
Role & Contribution	• **Designed & implemented** a modular system in Java for booking, ride tracking, and earnings management • **Developed ride allocation logic** based on shortest distance and taxi availability • **Integrated fare calculation** with admin profit split and driver earnings • **Enabled user roles**: Customer (booking), Driver (ride history), Admin (profit reports) • **Handled data structures** for location mapping, ride logs, and user authentication • **Implemented exception handling** and input validation for robust user interaction		
Technology & Tools	Java, OOP, Collections Framework, HashMaps, Scanner I/O		

Project 6

Project Name	Railway Reservation System	Team Size	1
Start Date	Self-Initiated	End Date	Ongoing
Project Description	A console-based railway ticket booking system simulating real-world scenarios like berth preferences, senior citizen priority, RAC, and waiting list management.		
Role & Contribution	• **Developed a dynamic ticket booking system** in Java with real-time berth allocation • **Implemented priority logic** for senior citizens and minors • **Handled berth preferences** (Lower, Middle, Upper, Side Lower, Side Upper) with fallback options • **Managed RAC and Waiting List** queues when preferred berths are unavailable • **Enabled ticket cancellation** with automatic reallocation from RAC and WL • **Built reporting features** to print current bookings and availability		
Technology & Tools	Java, OOP, Collections Framework, Queue & List Structures, Scanner I/O		

Educational Qualification

Education & Credentials	Bachelor of Engineering and Computer Science

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