

MAHESH KUMAR MANTRALA

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SUMMARY

Full Stack Developer at Wipro with expertise in Java, Spring Boot, Angular, React, and MySQL. Experienced in designing REST APIs, developing microservices, implementing JWT-based authentication, and building responsive dashboards and user interfaces. Integrated AI-driven features using OpenAI APIs to enhance applications. Completed an internship at Cognizant with hands-on exposure to software development and testing lifecycles. Quick learner with a strong foundation in data structures, algorithms, and problem-solving.

WORK EXPERIENCE

Full Stack Developer

Oct 2024 – Current

Wipro -Hyderabad

- Developed multiple internal mini-projects and feature prototypes using Java, Spring Boot, Angular, React, and MySQL, resulting in faster prototyping and stakeholder demos.
- Designed and implemented REST APIs and JWT authentication for secure role-based access in demo microservices.
- Built responsive front-end components and dashboards, improving demo UX and test coverage for UI flows.
- Wrote unit and integration tests, executed API validation with Postman, and used Git for version control and branch management.

Quality Engineering Assurance -Intern

Feb 2022 – Apr 2022

Cognizant Technology Solutions - Remote

- Performed functional testing on the Coursera web application to ensure system stability and usability.
- Gained hands-on experience in the software testing lifecycle (STLC) including test case design, execution, and defect reporting.
- Used Selenium and Postman to automate testing and validate APIs.
- Documented and reported bugs clearly, improving team communication and resolution time.

SKILLS

Languages

Java, Python, JavaScript

Frameworks & Libraries

Spring Boot, Angular, React, Node.js, Bootstrap

Databases

MySQL,PostgreSQL

Tools & Platforms

VS Code, IntelliJ IDEA, Spring Tool Suite, Postman, GitHub

PROJECTS

Portfolio Website

Technologies: React, Tailwind CSS, JavaScript

- Developed a personal portfolio website to showcase projects, skills, and experience with a clean, modern UI.
- Designed a fully responsive layout optimized for desktops, tablets, and mobile devices.
- Implemented an Instagram-style bottom navigation bar for mobile with icons and active tab highlights.
- Built interactive sections (About, Skills, Projects, Contact) using React components and reusable UI patterns.
- Ensured fast performance and accessibility with optimized assets and semantic HTML.
- Version-controlled the project using Git & GitHub with structured commits.

[🔗 Live Demo: \[maheshmantralaportfolio.netlify.app\]\(#\)](#)

Customer Relationship Management

Technologies: Spring Boot, Angular, MySQL, JWT Security, Microservices, Eureka

- Designed and developed three independent microservices (Customer, Interaction, Authentication) connected via Eureka Service Registry for scalability.
- Implemented role-based authentication (Admin/Customer) using JWT tokens, ensuring secure and controlled access.
- Built REST APIs for customer and interaction services, supporting create, update, delete, and search functionalities.
- Developed an interactive admin dashboard for managing customers and tracking interactions with a dynamic, responsive UI.
- Optimized database queries in MySQL, improving customer–interaction retrieval speed by 30%.
- Ensured system reliability through exception handling, input validation, and API testing (Postman).

Hotel Reservation System

Technologies: Spring Boot, MySQL, REST APIs

- Built a backend reservation management system handling room availability checks, bookings, updates, and cancellations.
- Designed and implemented REST APIs to manage reservations, users, and booking lifecycle operations.
- Integrated MySQL/MongoDB for persistent storage of reservations, ensuring ACID compliance and reliability.
- Implemented booking history tracking so users can retrieve their reservation details.
- Secured APIs with JWT-based authentication, enforcing authorized access for customers and admins.
- Improved backend performance by optimizing queries and API design, reducing booking response time by 25%.
- Ensured maintainability by applying layered architecture (Controller–Service–Repository) and clear exception handling.

EDUCATION

BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING

GMR Institute Of Technology-Rajam

CGPA: 8.33 | 2018-2022

CERTIFICATES

- **Introduction to OpenAPI and ChatGPT API for Developers** (Jan 2024) – Udemy
- **Java Full Stack Developer Certification** (Nov 2022) – Great Learning Platform
- **Programming for Everybody (Getting Started with Python)** (Sep 2021) – Coursera
- **Java for Beginners** (Feb 2020) – Udemy