MANOJKUMAR SANKAR

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PROFESSIONAL SUMMARY

Experienced professional transitioning from developer and trainer roles to advanced software development. Bringing 2+ years of expertise in Java, Data Structures & Algorithms, ReactJS, and Spring Boot with transferable skills in backend development and RESTful APIs. Proven ability to design and build scalable applications that led to efficient and high-quality software solutions, and eager to contribute to software engineering with impactful, scalable technology development.

SKILLS

Programming Language: Java, C, C++

Web Development: ReactJS, HTML, CSS, JavaScript, Bootstrap

Backend Development: Spring Boot, Microservices, RESTful APIs

Database: MySQL

Tools & Platforms: GitHub, Postman, IntelliJ IDEA , Power BI

Core Competencies: Object-Oriented Programming, Data Structures & Algorithms, Exception Handling, RESTful API Design

Other Skills: Problem Solving, Software Development Life Cycle (SDLC)

WORK EXPERIENCE

Amypo Technologies

Coimbatore | March 2024 - Present

Skill Development Engineer

- Delivered project-based learning programs for college graduates and university students, focusing on React.js, Restful API, Spring Boot.
- Conducted in-depth sessions on programming fundamentals, Data Structures, and Algorithms, fostering strong technical and problem-solving skills.
- Collaborated with the development team to design and implement modules, contributing to both frontend and backend microservice components.
- Worked with the Business Development Team to create and execute strategic initiatives, leading to a 12% profit increase in a major B2C project.
- Acted as a bridge between technical delivery, product innovation, and business strategy, ensuring impactful learning and measurable outcomes.

Virtusa

Chennai | June 2023 - September 2023

Project Trainee

- Contributed to the development of a mobile recharge system by assisting in building and integrating frontend components (ReactJS) with Spring Boot microservices.
- Supported the implementation of secure authentication flows using JWT tokens and contributed to the integration of Razorpay API for payment processing.
- Collaborated with the team to design, test, and debug RESTful APIs, ensuring smooth data exchange between client and server.
- Utilized Postman for API validation and performance checks, improving system reliability and backend efficiency.

EDUCATION

Sri Krishna College of Technology *Coimbatore | April*

2023 B.Tech Information Technology

CGPA - 8.67

CERTIFICATIONS

Oracle Certified Associate, Java SE 8 Programmer, Oracle *February 2023*

Verification URL - https://drive.google.com/file/d/14PTc7brtYZyCJtgOG3RWQPHijaj0kXLy/view?usp=sharing

PROJECTS

VirtuCharge: Mobile Recharge App

- Built a full-stack mobile recharge platform integrating ReactJS frontend with Spring Boot REST APIs for secure user authentication, plan selection, and payment processing.
- Implemented JWT-based authentication and role-based access control using Spring Security for protected API access.
- Integrated Razorpay Payment Gateway (Test Mode) to handle complete payment flow including order creation, transaction verification, and callback processing.
- Designed and developed RESTful APIs using Spring MVC and Spring Data JPA, enabling CRUD operations for users, plans, and transactions.
- Utilized MySQL as the relational database for persistent data storage with entity relationships and JPA mappings.
- Ensured robust error handling, input validation, and secure communication between frontend and backend using Axios and CORS configuration.

Virtual Pilgrimage Experience (AR/VR Application)

- Designed and developed an immersive AR/VR-based application that allows users to virtually visit and explore major Indian pilgrimage sites through interactive panoramic experiences.
- Utilized Pano2VR to create 360° virtual tours, integrating hotspots, guided navigation, and descriptive overlays for an authentic pilgrimage experience.
- Implemented AR view modes enabling users to interact with real-world markers and visualize 3D environments using VR-compatible devices.
- Enhanced user engagement with interactive storytelling, audio guides, and intuitive UI for seamless navigation between locations.
- Focused on performance optimization for smooth rendering across desktop and mobile VR platforms.New description • Delivered a fully functional virtual tourism prototype showcasing India’s spiritual heritage through immersive AR/VR
  technology, selected and presented for Smart India Hackathon.