Omprakash Siripolu

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EXPERIENCE

Software Engineer
Mythri Movie Makers   **October 2024 - Present, Hyderabad**
- Developed and deployed a multi-tenant SaaS application using Spring Boot and React.js, serving 1000+ daily active users across 5+ business clients.
- Implemented schema-based tenant isolation strategy, reducing cross-tenant data access incidents by 100% while improving query performance.
- Optimized driver allocation algorithm using Google Maps API, reducing average passenger wait time and increasing driver efficiency.
- Built a responsive UI using React.js, leveraging Formik for form handling and validation and React Toastify for alerts.

Software Engineer
Sage IT Inc   **August 2022 - September 2024, Hyderabad**
- Contributed to the migration service of a multi-microservice architecture platform for integration platforms like TIBCO BW5/BW6, Mulesoft, Dell Boomi, and Web Methods.
- Contributed to the development of a user-friendly web application using React.js, Redux Toolkit, and Tailwind CSS, with reliability ensured through thorough testing using React Testing Library and Jest.
- Implemented containerization with Docker, successfully deploying frontend and backend applications on Azure Container Apps.

PROJECTS

Cinemate
Mythri Movie Makers • thecinemate.in • October 2024 – Present
- Developed a schema-based multi-tenant SaaS application using Spring Boot and React.js for assigning trips to passengers, with features for allocating the nearest driver based on passenger locations.
- Implemented dynamic tenant management using separate database schemas, enabling secure data isolation between different clients. Utilized Hibernate's **schema-based multi-tenancy** strategy, where each tenant's data is stored in a separate database schema.
- Integrated Google Maps API for calculating distances and handling complex routing scenarios.
- Secured authentication and role-based authorization using Spring Security and JWT tokens.
- Built a responsive UI using React.js, leveraging Formik for form handling and validation, React Toastify for alerts.
- Implemented seamless API integration using Axios for dynamic data exchange.
- Employed Docker for containerization and deployed the application on Azure to ensure scalability and reliability.

SHIP.AI (Sage IT Hub for Integration Platforms)
Sage IT Inc • May 2023 – September 2024
- Contributed to the migration service of a multi-microservice architecture platform for integration platforms like TIBCO BW5/BW6, Mulesoft, Dell Boomi, and Web Methods.
- Designed and implemented migration logic using Java 11, Spring Boot, and ChatGPT-3.5 API to convert TIBCO BW5 XSLT to Mulesoft DWL.
- Optimized source code migration process, reducing migration time by 60% using the SHIP.AI tool.
- Extensively handled XML files for creating target project folder structures and zipping them for database storage.
- Implemented basic login functionality with Spring Security and JWT for secure authentication.
- Developed intuitive user interfaces with React.js, Redux Toolkit, and Tailwind CSS to deliver a seamless user experience.
- Conducted comprehensive testing with React Testing Library and Jest to ensure high-quality, reliable code.
- Created Docker images for application containers and deployed them on Azure Container Apps.
- Collaborated on the project using Agile-Sprint and Waterfall methodologies.

EDUCATION

Bachelor of Technology
Vidya Jyothi Institute of Technology • Hyderabad • 2022

SKILLS

Backend: **Spring Boot**, **Java**, JavaScript.

Frontend: **React JS**, JavaScript, Tailwind CSS, HTML, CSS.

Database: MySQL DB, Oracle DB.

DevOps: **Azure**, **Docker**.

Version Control: **Azure DevOps**, **Git**