Omprakash Siripolu

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SUMMARY

Experienced Software Developer with a strong background in developing and deploying scalable, secure, and user-friendly web applications. Proficient in Java, Spring Boot, React.js, and cloud technologies like Azure. Skilled in multi-tenant SaaS application development, database management, role-based access control, and implementing robust authentication mechanisms. Adept at optimizing migration processes, creating interactive dashboards, and enhancing user experience through effective UI/UX practices. Collaborative team player with a proven ability to deliver high-quality solutions in fast-paced, Agile environments.

EXPERIENCE

Software Engineer

Aixlerators   October 2024 – Present, Hyderabad

· Developing a schema-based multi-tenant SaaS application using Spring Boot and React.js that enables seamless migration between different integration platforms
· Implemented dynamic tenant management using separate database schemas, enabling secure data isolation between different clients
· Built custom mechanisms to automatically create and manage database schemas for new tenants during signup process
· Developed centralized tenant context management to handle request routing and maintain proper data isolation between tenants
· Implemented role-based access control (RBAC) to manage user permissions and feature access across the application
· Integrated React-Toastify for user-friendly notifications and feedback across the application, improving user experience
· Implemented file upload functionality with drag-and-drop support and progress tracking for migration source files
· Created interactive dashboards using React Charts to visualize migration statistics and analysis metrics
· Developed robust form handling and validation using Formik, ensuring data accuracy and improving user experience
· Set up protected routes using React Router and JWT authentication to manage user access and security

Software Engineer

Sage IT Inc   August 2022 – September 2024, Hyderabad

· **TIBCO I/O (International Operations) Upgrade**
· · Migrated TIBCO BW6 projects from on-premises to Azure Cloud for GM Financial.
· Configured YAML files for BW6 applications across multiple environments (SIT, Pre-prod, Production).
· Developed Azure templates, Dockerfiles, and CI/CD pipeline configurations for seamless deployment.
· Automated deployment using Azure Kubernetes, deploying applications into pods.
· Conducted unit testing of deployed services using SOAP UI, ensuring robustness and reliability.

· **SHIP.AI (Sage IT Hub for Integration Platforms)**
· · Contributed to the migration service of a multi-microservice architecture platform for integration platforms like TIBCO BW5/BW6, Mulesoft, Dell Boomi, and webMethods.
· Designed and implemented migration logic using Java 11, Spring Boot, and ChatGPT API to convert TIBCO BW5 XSLT to Mulesoft DWL.
· Created Docker images for application containers and deployed them on Azure Container Registry and Azure Container Apps.
· Optimized source code migration process, reducing migration time from 1 hour (manual) to 15-20 minutes using the SHIP.AI tool.
· Worked extensively with XML files for creating target project folder structures and zipping them for database storage.
· Developed basic login functionality with Spring Security and JWT for secure authentication.
· Collaborated on the project using Agile-Sprint and Waterfall methodologies.

Software Engineer

Mythri Movie Makers   April 2022 – June 2022, Hyderabad

· Developed a web application for assigning trips to passengers, with features for allocating the nearest driver based on passenger locations.
· Integrated Google Maps API for calculating distances and handling complex routing scenarios.
· Implemented invoice generation functionality to provide post-trip financial data for accounting teams.
· Secured authentication and role-based authorization using Spring Security and JWT tokens.
· Developed responsive and user-friendly interfaces using React JS and Tailwind CSS to improve usability.
· Created reusable and customizable components and tables to streamline application development.
· Employed Docker for containerization and deployed the application on Azure to ensure scalability and reliability.
· Utilized MySQL for backend data management, ensuring efficient storage and retrieval of application data.

SKILLS

· Backend: Spring Boot, Java, JavaScript, JUnit.
· Frontend: React JS, JavaScript, Tailwind, HTML, CSS.
· Database: Oracle DB, MySQL DB.
· DevOps: Azure, Docker.
· Version Control: Azure DevOps, Git.

EDUCATION

Bachelor of Technology

Vidya Jyothi Institute of Technology · Hyderabad · 2022