Roopa Sowmya Kandula

Associate Software Developer | Full Stack Developer

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EDUCATION

Dr.Lankapalli Bullaya College of Engineering   Vishakapatnam, Andhra Pradesh
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering   *July 2019 – June 2023*

Sri Gayatri Junior College   Vishakapatnam, Andhra Pradesh
12th Science (Mathematics)   *Aug 2018 – May 2019*

EXPERIENCE

Modlix - Associate Software Developer   Sep 2023 – Present
Enterprise SaaS Platform   *Bengaluru*

- Developed and maintained key UI components and features as part of the SaaS platform using React and TypeScript, focusing on dynamic rendering, configurability, and reusability.
- Designed a secure and customizable OTP input component with support for configurable length, input masking, validation logic, and accessibility enhancements; also implemented a customizable Audio component with playback controls, file preview, and format support.
- Built a Dynamic Table that auto-generates columns based on incoming data with support for sorting, filtering, pagination,and a TOC component for rendering structured navigation based on Markdown-syntaxed data.
- Built a form generator that dynamically renders UI forms from JSON Schema, supporting nested fields, validations, and conditional logic.
- Developed a suite of high-performance MongoDB data service functions in Java (Spring WebFlux), enabling dynamic schema-driven CRUD operations across multi-tenant applications.

KIRUN Enterprise Framework

- Contributed to the core of KIRUN, a JSON-based low-code/no-code workflow engine, by implementing a complete suite of date and time functions in both the Java and TypeScript versions of the engine.
- Worked on writing JUnit test cases for Java functions and Jest test cases for TypeScript functions to ensure reliability and correctness across the KIRUN framework.
- Built a metadata extraction utility to auto-generate details of all available functions such as Namespaces,Names,Parameters,Event Outputs.
- Enhanced schema classes and added UI helper fields to support dynamic style generation within the schema-based form renderer.

Leadzump Enterprise CRM

- Developed Lead Collectors from Scratch using reactive programming (Java) to collect leads from various sources (Meta Ads, websites, third-party APIs).
- Implemented Collection Logging System to track success/failure of each lead collected.
- Integrated Meta WhatsApp Cloud APIs and Embeeded Signup flow to enable two-way messaging between CRM clients and their leads, supporting templated and session messages dynamically.
- Integrated with ExtolCall Apis for the communication between the clients and their leads.

TECHNICAL SKILLS

Core Expertise: React,HTML,CSS,Javascript Enterprise Java Development, RESTful APIs, Frotend Development
Programming Languages: Java , TypeScript, Python, JavaScript, SQL
Frameworks Technologies: Spring Boot, Spring Security, Spring WebMVC, Spring WebFlux, React.js, JPA/Hibernate, JDBC, JOOQ
Database Systems: MySQL, PostgreSQL, MongoDB, Redis
Development Tools: IntelliJ IDEA,Visual Studio Code, Maven, Gradle, Postman, Swagger, JUnit