Cheruku Sai Kalyan

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Professional Summary

Full Stack Developer with strong experience in designing and building enterprise-grade applications using **Spring Boot**, **Angular 17**, **Node.js**, **MySQL**, **RxJS**, and **PrimeNG**. Proficient in developing **RESTful APIs**, architecting dynamic frontend interfaces, and implementing robust backend systems using **clean code principles** and **layered architecture**. Well-versed in the **Software Development Life Cycle (SDLC)**, including requirements gathering, development, testing, and deployment, and experienced in **Agile methodologies** like **Scrum** for iterative delivery and continuous improvement. Skilled in building **dynamic form engines**, **approval chains**, **role-based access controls**, and **real-time dashboards** with a focus on **scalability** and **user configurability**. Successfully implemented performance-optimized features such as **lazy loading**, **pagination**, and **RxJS BehaviorSubject-based caching**, while ensuring code reusability through **smart/dumb Angular component design** and **Angular Schematics**. On the backend, established **row-level security** using **parameterized MySQL views** and leveraging **dynamic SQL** in **stored procedures** to support **multi-module workflows** with minimal code duplication. Actively integrating **AI-driven solutions** into enterprise systems, with ongoing work on **prompt-based automation tools** to enhance **workflow efficiency** and **real-world usability.**

Skills

Programming Languages	:	Java, JavaScript, TypeScript
Frameworks & Tools	:	Spring Boot, Angular, PrimeNG
Frontend Development	:	HTML5, CSS3, Bootstrap, ES6, JSON
Databases	:	MySQL, Oracle, MongoDB, PostgreSQL
Web Servers & Deployment	:	Apache Tomcat 7/10, Nginx
APIs	:	REST APIs, Postman, Swagger
Microservices	:	Spring Boot, Docker
Server Management	:	Linux, Cloud Environments
Operating Systems	:	Windows, Linux
Version Control & CI/CD	:	Git, GitHub, Visual Studio, Eclipse, Jenkins, CI/CD pipelines
AI Integration	:	Prompt Engineering, Llama Model Exploration, AI-powered ERP Conceptualization, Automation-Driven Tools (e.g., n8n)
Methodologies	:	Agile, Full Software Development Life Cycle (SDLC)
High-Performance Systems	:	Debugging and optimizing secure, high-availability applications
Soft Skills	:	Collaboration, Critical Thinking, Communication, Quick Learning.

Professional Experience

Software Engineer

Dynamatix Analytics Pvt. Ltd, Hyderabad | May 2023 - Present

- Played a key role in building Flexy, a no-code workflow engine within the RiskHawk Suite, enabling business users to create enterprise workflows like Incident and Vendor Risk Management.
- Engineered 5+ full-stack modules using Spring Boot, Angular 17, and MySQL, increasing user engagement by 30% through enhanced dashboards and approval chains with role-based access control.
- Collaborated closely with cross-functional teams, including business stakeholders, to refine requirements and deliver scalable, secure features using Agile and full SDLC processes.

- Championed the adoption of Angular Schematics and smart/dumb component architecture within Flexy, resulting in a 60% faster UI development cycle and a demonstrable increase in component reusability.

Projects

Product Developer – RiskHawk

Tech Stack: Spring Boot, Angular 17, MySQL, Prime NG, Node.js, RxJS, Docker, Apache Tomcat 7/10, Nginx, CI/CD Pipelines, OAuth2, SAML, Microsoft Entra, Tiny Llama, GitHub, JWT

Description: Risk Hawk is an enterprise-grade risk management platform built for scalability, flexibility, and modular risk governance. It enables businesses to manage a variety of risk domains such as vendor management, compliance, and incident response.

Flexy, a no-code workflow automation engine in Risk Hawk, enabled 50+ non-technical users to build, customize, and deploy workflows independently, cutting deployment time by 35%.

Contributions:
- Contributed to Flexy, a no-code workflow engine, enabling business users to create custom workflows like Incident Management, Vendor Risk Management (VRM), and Enterprise Risk Management (ERM) with no coding knowledge.
- Built reusable Angular components using smart/dumb component design and Angular Schematics for scalable UI development and reducing UI development time by 30% and ensuring scalability.
- Designed and deployed backend microservices using Spring Boot and RESTful APIs, reducing data access time by 40% through optimized SQL queries and parameterized views.
- Developed a dynamic dashboard engine that enabled 100+ users to generate custom dashboards based on workflow fields and saved views, improving decision-making speed by 25%.
- Implemented role-based access control, pagination, and batching processes using a clean layered architecture.
- Authored 20+ SQL procedures to manage data across MySQL, Oracle, and MongoDB, improving query efficiency by 30% and reducing server load by 15%.
- Contributed POC's for AI integration and automation.

Project Management Tool – Architected a microservices-based tool using Angular, Spring Boot, PostgreSQL, JWT, Docker, and PrimeNG, streamlining task management and role-based access control. Integrated customizable dashboards and email notifications for task updates, boosting team efficiency by 20%. Utilized CI/CD for automated, reliable deployment, ensuring 99.9% uptime and seamless integration.

Asset Management System – Designed and implemented a layered architecture for an asset management application in Node.js, integrating MySQL for data storage. The system supports asset group management, checklist-based workflows, and advanced routing, improving asset lifecycle tracking efficiency by 25%.

PromptBoard – A cutting-edge dashboard generation tool crafted using **Node.js** (backend) and **Angular** (frontend), devised to simplify database querying and data visualization. The application leverages **AI** (LLM models) to automate the generation of database queries based on user-defined prompts, reducing manual query writing by 100%. Key features include:
- **AI-Powered Query Generation:** Uses LLM models to auto-generate SQL queries from user prompts
- Real-Time Dynamic Dashboard Creation.

Education

BACHELOR OF TECHNOLOGY (B. Tech) | BVC Engineering College, Andhra Pradesh | 2019 – 2022

Achievements

Received the Best Performer Award for showcasing versatility in Full Stack Development and Product Functionality Design.