Cheruku Sai Kalyan

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PROFESSIONAL SUMMARY

Results-driven Software Engineer in backend development and database management. Proficient in Java, Spring Boot, and various database technologies, including MySQL, Oracle SQL, and MongoDB. Strong expertise in designing optimized data structures and building scalable applications. Familiar with Angular and frontend development. Recognized for streamlining risk management workflows and optimizing queries, resulting in significant performance improvements. Eager to contribute to a dynamic team in delivering efficient, high-performing solutions.

SKILLS

- Programming Languages: Java, JavaScript, TypeScript
- Frameworks & Tools: Spring Boot, Angular, Prime NG
- Frontend Development: HTML5, CSS3, Bootstrap, ES6, jQuery, JSON
- Databases: MySQL, Oracle SQL, MongoDB, PostgreSQL
- Version Control & CI/CD: GitHub, Visual Studio, Eclipse, Jenkins, CI/CD pipelines
- APIs: REST APIs, Postman
- Microservices: Spring Boot, Docker
- Cloud & Deployment: Docker, Apache Tomcat 7/10, Nginx, Terraform, Kubernetes
- Server Management: Linux, Cloud Environments
- Soft Skills: Problem-Solving, Communication, Quick Learning

ACCOMPLISHMENTS

- Best Performer of the Year: Awarded for optimizing database queries, reducing query processing time by 40%, and improving project performance.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER | Dynamatix Analytics Pvt Ltd, Hyderabad | May 2023 – Present

- Integrated Risk Management Workflows: Leveraged Risk Hawk tools to streamline enterprise risk management, resulting in enhanced decision-making capabilities.
- Optimized Database Performance: Spearheaded database optimization with Oracle SQL,

MySQL, and MongoDB, improving data retrieval times by 30%.
- Dynamic Query Implementation: Reduced processing time by 25% through the implementation of dynamic queries in stored procedures, enhancing system efficiency.
- Cross-Functional Collaboration: Partnered with cross-functional teams to deliver scalable, secure, and user-friendly software across the project lifecycle.
- Client Communication: Actively engaged with clients to gather requirements, manage expectations, and ensure high-quality deliverables.
- Angular Revamp: Contributed to revamping the project in Angular, using Angular Schematics to maintain standards and manage the relationship between smart and dumb components.

PROJECTS

Risk and Compliance Management System
Environment: Java, Servlets, MySQL, Oracle SQL, Apache Tomcat, Nginx, GitHub, GWT Libraries (Catura Platform)

- Key Contributions: Developed core components using Java and the Catura platform. Optimized system performance through SQL query tuning, reducing query processing time by 35%. Integrated data from MySQL and Oracle SQL for real-time dashboards.
- Results: Delivered a comprehensive risk management platform that improved organizational risk tracking and compliance by 20%.

Project Management Tool
Technologies: Angular, Spring Boot, PostgreSQL, JWT, Docker, Prime NG
Tools: GitHub, Postman, Swagger, Eclipse, Click Up (for sprint planning)

Description: A full-featured project management tool is being developed using a microservices architecture, aligned with the Software Development Life Cycle (SDLC) and Agile methodology. The tool supports task management, sprint planning, and project workflows, incorporating features like role-based access control (admin and user), JWT-based authentication, customizable dashboards, and email notifications for task creation and due dates. Angular powers the frontend, while Spring Boot handles the backend, with PostgreSQL ensuring secure data storage. CI/CD pipelines and Docker are being utilized for deployment, providing scalability and reliability. Sprint planning is managed via Click Up, and the project adheres to a layered architecture for clean separation of concerns.

EDUCATION

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

Diploma | BVC Institute of Technology and Science, Andhra Pradesh | 2016 – 2019