Manikandan R
Research & Innovation Specialist

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Professional Summary

Results-driven Software Developer with expertise in Java, Python, Generative AI, and Enterprise Software Development. Skilled in scalable application design, microservices and full-stack development. Adept at integrating AI-driven solutions to enhance product capabilities and optimize business processes. Passionate about leveraging AI innovations to drive efficiency and digital transformation. Proven ability to collaborate cross-functionally and manage the full software development lifecycle (SDLC). Seeking to apply technical proficiency and AI expertise in a dynamic, growth-oriented environment.

Professional Experience

ProHance | Bangalore
Research & Innovation Specialist (Sep 2024 – Present)

➢ Research and implement cutting-edge AI and engineering solutions for complex business challenges.
➢ Machine Learning Data Pipeline: Designed a Kafka-based data pipeline to different different sql server for AI/Ml process.
➢ Generative AI RAG Application: Developed an AI-powered Retrieval-Augmented Generation (RAG) system using React.js, Python, LLM, LangChain, and MongoDB.

Technology Specialist (Mar 2024 – Aug 2024)

➢ Developed Java full-stack enterprise applications using Java, Spring MVC, JSP, jQuery, CSS, SQL, and REST APIs.
➢ Enterprise Software Development: Built a high-performance Java-based enterprise application, integrating business logic and technical expertise.

Education

➢ Master of Business Administration (MBA) – Operations Management (Pursuing)
Kalasalingam University | Apr 2024 – Present (Distance Learning)
➢ Bachelor of Engineering (B.E.) – Computer Science & Engineering
Kathir College of Engineering | Jun 2018 – Apr 2022

Technical Skills

Programming Languages: Java, Python
Databases: MySQL, MSSQL, MongoDB
Frontend Technologies: HTML, JSP, CSS, JavaScript, jQuery
Frameworks & APIs: Spring Boot, LangChain, FastAPI, RESTful APIs
Tools & Platforms: GitHub, Jenkins, Kafka

Soft Skills

Agile Development
Problem-Solving & Critical Thinking
Cross-Functional Collaboration