Vathaluru Akhileswar Reddy

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Technical Skills

Languages: Go, C, C++, Java, JavaScript, Tailwind CSS
Frameworks: Spring Boot, React JSX
Databases: MySQL, PostgreSQL, MongoDB, Redis
Version Control: Git, GitHub, GitLab

Education

KL University   **Guntur, India**
Bachelor of Technology - Computer Science and Engineering (CGPA: 9.66)   *2021–2025*

Experience

Ideyalabs   **Hyderabad, India**
                                                                                                                     2024–Present
→ Developed secure and efficient RESTful APIs in Go for seamless integration with the Hyperledger Fabric blockchain network.
→ Designed and deployed smart contracts (chaincode) in Go to implement complex business logic and ensure tamper-proof transactions.
→ Led the migration from a Corda-based blockchain to Hyperledger, enhancing system performance and interoperability.
→ Built scalable backend systems using Spring Boot microservices, contributing to a modular and maintainable architecture.

Projects

Linklytics: Built a modern URL shortening platform with intuitive link management and real-time analytics. Integrated encryption for enhanced security and optimized redirect speed. Delivered a seamless and reliable user experience.

Chat Application: Engineered a real-time chat system using Spring Boot, WebSocket, and MongoDB. Developed a responsive React plus Tailwind frontend supporting one-on-one and group messaging. Ensured low-latency, scalable communication.

Real Estate Management System (Blockchain-Powered): Created a blockchain-based property management platform using Hyperledger Fabric and Go. Enabled secure, transparent transactions with JWT auth and PostgreSQL integration. Implemented smart contracts (chaincode) for immutable record-keeping.

Fitness AI Platform: Developed a full-stack fitness tracker using React and Spring Boot microservices. Integrated AI for personalized insights, tips, and activity analysis. Secured the platform with Keycloak-based authentication and role management.

ClearBG (AI-Powered Background Removal Platform): Built an AI-driven image processing app with React frontend and Spring Boot backend. Enabled real-time background removal with Clerk authentication and Razorpay payments. Designed for high performance, scalability, and UX.

AI Research Assistant: Developed a Chrome extension powered by Spring AI for intelligent content summarization. Extracts concise notes from copied text using Manifest V3. Enhances productivity with quick, context-aware insights.

Coding

LeetCode: Solved 530 plus problems, strengthening core problem-solving and algorithmic skills.
Geeks For Geeks: Solved 300 plus problems, showcasing strong proficiency in Data Structures and Algorithms.
CodingNinjas: Completed 260 plus challenges, honing data structures and coding proficiency.

Certifications

Red Hat Certified Enterprise Application Developer (EX183):
Technologies: Red Hat JBoss Enterprise Application Platform 7.0