

Vathaluru Akhileswar Reddy

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Technical Skills

Languages: Go, C, C++, Java, JavaScript, Python

Frameworks: FastAPI, Spring Boot, LangGraph, React

Cloud & DevOps: AWS Lambda, Serverless Framework, Docker

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

Ideylabs

Hyderabad, India

2024–Present

Working as a Backend Developer, building scalable services with FastAPI deployed on AWS Lambda using the Serverless Framework. Implemented CI/CD pipelines with AWS CodePipeline and CodeBuild by defining pipeline stages and buildspecs for automated testing and deployment. Developed secure RESTful APIs in Go for integration with Hyperledger Fabric and designed smart contracts (chaincode) in Go to enforce complex business logic on-chain. Led the migration from a Corda-based blockchain system to Hyperledger, improving performance and interoperability, while also maintaining and enhancing Spring Boot microservices for transaction coordination.

Projects

Chat Bot: Built a full-stack AI chat platform with FastAPI, React, and LangGraph. Enabled persistent chat history, multi-threaded conversations, and OpenAI-powered responses.

Budget Buddy: Developed a CLI-based finance assistant using LangGraph, GPT-4o, and PostgreSQL. Supports expense tracking, web search, and intelligent financial insights.

Fitness AI Platform: Created a fitness tracking system with AI-driven insights and analytics. Implemented secure authentication and role-based access using Keycloak.

ClearBG: Engineered an AI-powered image background remover. Integrated Clerk authentication, Razorpay payments, and a microservices backend.

Linklytics: Built a secure URL shortener with analytics and encryption. Optimized performance using Spring Boot, React, Redis, and PostgreSQL.

Real Estate Management System: Blockchain-based property management system using Hyperledger Fabric and Go. Implemented smart contracts, JWT authentication, and PostgreSQL-backed ledger storage.

Coding

LeetCode: Solved 530+ problems, strengthening core problem-solving and algorithmic skills.

Certifications

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

Google Cloud Agentic AI Day (Hack2skill, 2025): Finalist — Top 700 of 57,000+. Built an AI-powered monitoring system using Vertex AI, Gemini, Next.js, and ESP32 in a 30-hour hackathon.