

Jayaram Uday Marali

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Google Associate Cloud Engineer | AWS Certified Solutions Architect

TECHNICAL SKILLS

Full Stack Development: Flutter, React, Node.js, FastAPI, Dart, JavaScript, SQL, MongoDB, MySQL

AI/ML Frameworks: LangChain, TensorFlow, Ollama, Streamlit

Vector DB & Data Processing: ChromaDB, Sentence Transformers, PyPDF2, OCR

Cloud, DevOps & Tools: GCP, Docker, Kubernetes, Terraform, CI/CD, Git, GitHub

EXPERIENCE

Agaamin Technologies

Sept 2024 – Mar 2025

Software Engineer

Haryana, India

- Developed a decentralized, real-time messaging feature using the Nostr protocol, implementing end-to-end encryption to ensure robust user security and data privacy.
- Instrumented CI/CD pipelines with Cloud Build and Container Registry, shrinking release cycles by **40%** while ensuring zero-downtime rollouts.
- Architected a scalable server-side infrastructure for a mobile application using Agile methodologies, which supported new features and led to a **30%** improvement in user engagement.

Appfoster Technologies

Mar 2024 – Aug 2024

Software Engineer

Noida, India

- Delivered comprehensive Flutter-based HRMS platform managing payroll and leave tracking workflows for **200+ employees**, improving operational efficiency by **35%**.
- Optimized API performance by implementing caching mechanisms, pagination strategies, and asynchronous processing, reducing average system response time from **500ms to 350ms**.
- Fortified application reliability by implementing automated testing frameworks and SonarQube static code analysis, decreasing post-deployment defects by **20%**.

PROJECTS

TechTreads - Full-Stack HackerNews Clone | *Hono, Bun, DrizzleORM, Tanstack, Docker*

- Constructed a full-stack, type-safe discussion platform leveraging a modern stack including Hono, Bun, and DrizzleORM for a high-performance backend, and the Tanstack suite for a fully-featured, reactive frontend.
- Streamlined the complete development-to-production lifecycle by containerizing the application with Docker, ensuring a consistent and reproducible environment for easy setup and deployment.

End-to-End RAG System for Document Analysis | *FastAPI, Streamlit, ChromaDB, OCR*

- Orchestrated a complete Retrieval-Augmented Generation (RAG) pipeline with a FastAPI backend for core logic and a Streamlit UI for interactive document querying, citation, and evidence highlighting.
- Devised a robust ingestion engine to process both native and scanned PDFs, leveraging OCR (Tesseract), semantic chunking, and Sentence Transformers to populate a ChromaDB vector database.
- Launched an intuitive chat interface that empowered users to analyze large document collections, reducing manual document search and analysis time by an estimated **90%**.

EDUCATION

BML Munjal University

Delhi, India

Bachelor's in Computer Science

Aug. 2018 – May 2021

ACHIEVEMENTS

- 1st Place Winner, Smart India Hackathon 2024, for developing a solution for decentralized identity management.
- Finalist **Top 5 out of 100+ teams** in the Google Code Jam India round.
- Awarded '**Most Innovative Project**' at BML Munjal University's Tech Fest for the End-to-End RAG system.