

Ayyub Raji

Frontend Engineer | Backend Developer | AI Engineering Trainee

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PROFESSIONAL SUMMARY

Full-stack engineer with strong experience in **Next.js**, **TypeScript**, **TailwindCSS**, and **FastAPI**. Builds clean, scalable interfaces and solid backend architectures. Currently expanding into **AI engineering**, focusing on LLM integration, vector search, prompt engineering, and custom AI system development. Known for fast learning, ownership, and delivering solutions end-to-end.

CORE SKILLS

Frontend Engineering

- Next.js (App Router), React, TypeScript, TailwindCSS, ShadCN/UI, Axios

Backend Engineering

- FastAPI, Python, MongoDB, Pydantic models, CMS-style backend design, Authentication, REST API design.

AI Engineering and ML

- LLM integrations (OpenAI, LiteLLM, LangChain)
- Vector search, embeddings, RAG pipelines
- Prompt templates, structured output, metadata extraction
- Building custom AI chatbot systems (pure Python, memory, synonym/antonym logic)
- Model loading, inference modules, N-Atlas experimentation

RECENT AI ENGINEERING TRAINING

Generative AI Engineering Track (2025)

- Model pipelines (OpenAI API, N-Atlas), embeddings, retrieval
 - LLM reasoning breakdown, context structuring, prompt frameworks
 - Built a pure-Python AI system: memory engine, synonym engine, sentence-mood detection, contextual learning
 - Deepened understanding of model tokens, parameters, scaling limits, quantization, and inference optimization
 - Working on safe, structured medical prompt systems (Nigerian languages + symptom extraction)
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PROJECT EXPERIENCE

Rajtronix CMS – Full Backend Overhaul (FastAPI + MongoDB)

Backend Engineer | 2024–2025

- Implemented complete CMS backend for projects, products, blogs, and trainees

FinTrack-Style Dashboard (Next.js + TailwindCSS + TypeScript)

Frontend Engineer | 2025

- Built a polished, responsive financial dashboard UI following a strict design

CulturaMed Intelligent Health Interface (AI-Powered Project)

AI & Backend Contributor | 2025

- Designed medical prompting logic for symptom interpretation
- Built formatted structured output (conditions, risks, recommended tests)

- Helped with multi-language auto-detection design
 - Integrated N-Atlas for clinical reasoning experimentation
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WORK EXPERIENCE

Software Engineer (Full-Stack) — Freelance

2022–Present

- Delivered full-stack solutions for dashboards, CMS systems, AI-assisted applications
 - Optimized web apps for performance, UX clarity, and scalable architecture
 - Integrated AI pipelines and vector search into production-ready APIs
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EDUCATION

NCE (completed)

Osun State college of Education, Ila Orangun, Osun State, Nigeria.

B.Sc (processing)

Self-directed studies in Computer Science, Software Engineering, and Artificial Intelligence.

TECH STACK

Frontend: Next.js, React, TypeScript, Tailwind, ShadCN

Backend: FastAPI, Python, MongoDB, Pydantic

AI: OpenAI API, N-Atlas, embeddings, prompt engineering, vector DB concepts

Tools: Git, VSCode, Postman, Thunder Client, Figma

ACHIEVEMENTS

- Built a working linear regression algorithm from scratch using raw math formulas
 - Approved for an AI competition submission (Awarri Developer Challenge)
 - Designed multi-file AI memory architecture from scratch
 - Regularly trains others (Zara – coding program)
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AVAILABILITY

Open to **full-time, contract, or remote** roles in Frontend, Backend, or AI Engineering.