

# DAYO PRAISEGOD ADESANMI

AI & Machine Learning Engineer | Software Engineer | LLM & MLOps Specialist

Location: Remote (Nigeria)

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## PROFESSIONAL SUMMARY

Results-driven **AI & Software Engineer** with **3+ years of professional experience** building production-grade systems across AI, backend engineering, and cloud infrastructure. Strong hands-on experience in **Python, Node.js, Go**, and modern AI/LLM-driven systems. Proven ability to build **scalable, reproducible, and production-ready environments** using Docker, Linux, CI/CD pipelines, and cloud infrastructure. Experienced in **LLM-assisted development workflows**, intelligent automation, data pipelines, and backend systems. Adept at remote collaboration and overlapping with global time zones.

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## CORE TECHNICAL SKILLS

### Programming Languages

- Python (Advanced)
- JavaScript / TypeScript (Node.js, React, Next.js)
- Go
- SQL

### AI / ML / LLMs

- TensorFlow, PyTorch, scikit-learn
- LangChain, LangGraph, LLMs, Hugging Face
- LLM-based agents, AI automation pipelines
- Model evaluation, edge-case testing, prompt optimization, security

### Backend & Systems

- Django, Django Ninja, Flask, FastAPI
- REST APIs, Microservices, Serverless Architectures
- Data pipelines (ETL/ELT), real-time systems

## MLOps, DevOps & Cloud

- Docker, Docker Compose, Dev Containers
- Linux, Bash scripting, automation
- CI/CD (Jenkins, GitHub Actions)
- AWS (EC2, S3, Lambda), Google Cloud, Microsoft Azure

## Messaging & Databases

- PostgreSQL, MySQL, MongoDB
- Redis, Celery
- RabbitMQ

## Development Practices

- Advanced Git knowledge
- Unit and integration testing
- Reproducible environments & infrastructure-as-code mindset

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# PROFESSIONAL EXPERIENCE

## AI Engineer — PharmaServ Technologies (*Remote*)

- Designed and implemented **AI-driven automation** for sales, marketing, and distribution workflows in life science operations.
- Built **LLM-powered agents** for intelligent customer interaction, reporting, and data summarization.
- Architected and deployed a **data warehouse** supporting real-time analytics and decision-making.
- Developed robust **ETL pipelines** integrating multi-source datasets for predictive modeling.
- Collaborated in research and early adoption of **LLM-based enterprise solutions**.

## Backend Engineer — Optimaviz Technologies (*Remote*)

- Developed **data-intensive backend systems** for mining and process engineering analytics.
- Built and deployed **predictive ML models** (RandomForest, DecisionTree) for production optimization and forecasting.
- Implemented scalable APIs using **Django Ninja** and **PostgreSQL** for large dataset ingestion.
- Integrated AI-assisted analytics and visualization tools for domain-specific users.

## **Freelance / Community Projects (Ongoing)**

- Mentor engineers and students on **AI systems design, LLMs, and MLOps best practices**.
- Consult on **scalable AI infrastructure**, Dockerized deployments, and automation pipelines.
- Assist teams in adopting **LLM coding tools** and AI-augmented development workflows.

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## **SELECTED PROJECTS**

### **PharmaServ AI Integration**

- Designed **AI-automated CRM workflows** using LLMs for summarization and decision support.
- Implemented secure, production-ready integrations with OpenAI APIs.

### **Mining Analytics Platform (Optimaviz)**

- Built an **AI Bot Assistant** to guide mining and process engineers through data analysis.
- Integrated OpenAI LLMs for contextual insights and domain-specific recommendations.

### **User AI Assistance (ShopKatalog Online Storefront)**

- AI Assistance bot that performs **RAG (Retrieval Augmented Generation)** from the user's documentation to answer questions based only on the platform.

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## **EDUCATION**

**B.Sc. in Computer Science** — Federal University, Oye Ekiti  
CGPA: **4.1 / 5.0**

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## **CERTIFICATIONS**

- AWS Certified Data & Cloud Practitioner
- Microsoft Azure AI Fundamentals
- Google Cloud Data Engineering
- Additional professional certifications in Machine Learning & Deep Learning