DAYO PRAISEGOD ADESANMI

Email: dayopraisegod@gmail.com
Phone: +2349033345017
Location: Remote
LinkedIn: https://www.linkedin.com/in/praisegod/
GitHub: https://github.com/praisegee

Professional Headline

AI & Machine Learning Engineer | Software Engineer | Python Developer | LLM Research & MLOps Specialist

Professional Summary

Results-driven **Software Engineer and AI Practitioner** with expertise in **Python-based machine learning, deep learning frameworks, and cloud-based MLOps**. Strong experience building **data-driven systems, LLM integrations, and intelligent automation** pipelines across domains such as mining analytics and life science platforms. Passionate about transforming data into actionable insights through scalable AI infrastructure and modern software engineering practices.

Technical Skills

Languages: Python, Go, JavaScript (Node.js, React, Next.js)
Frameworks & Tools: Django, Django Ninja, Flask, TensorFlow, PyTorch, scikit-learn, LangChain, OpenAI API, Hugging Face
Data & ML Tools: pandas, NumPy, Matplotlib, SQLAlchemy, Jupyter, MLflow, DVC
MLOps & Cloud: AWS (EC2, S3, Lambda), Google Cloud, Microsoft Azure, Docker, Jenkins, Redis, Celery, Kafka, RabbitMQ
Databases: PostgreSQL, MySQL, MongoDB
Architecture: Microservices, REST APIs, Serverless, CI/CD, Data Pipelines (ETL/ELT), Real-time Systems

Professional Experience

AI Engineer — PharmaServ Technologies   *(Remote)*

- Researched and implemented AI-driven strategies to automate **sales, marketing, and distribution** workflows for life science operations.

- Designed and deployed a **data warehouse** architecture enabling efficient analytics and real-time insights.

- Built robust **ETL pipelines** to integrate multi-source data for predictive modeling and business intelligence.

- Contributed to early **LLM adoption research**, integrating AI agents for intelligent customer interaction and reporting.

Backend Engineer — Optimaviz Technologies   *(Remote)*

- Developed **data-driven and machine learning systems** for mining and process engineers to analyze operational data.

- Created predictive models using **Python (scikit-learn, RandomForest, DecisionTree)** to optimize production and forecast performance metrics.

- Implemented backend APIs with **Django Ninja and PostgreSQL**, enabling large-scale data ingestion and analytics visualization.

AI Consultant & Mentor — Freelance / Community Projects   *(Ongoing)*

- Mentor professionals and students in **AI, LLMs, and machine learning system design**.

- Provide consulting on building scalable **data infrastructure and AI-driven automation solutions**.

Education

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

Certifications:

- AWS Certified Data & Cloud Practitioner

- Microsoft Azure AI Fundamentals

- Google Cloud Data Engineering

- Various Online Certifications in Machine Learning and Deep Learning

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Selected Projects

- **PharmaServ AI Integration:** Designed AI automated CRM workflows and data summarization using **LLMs**.

- **Mining Analytics Platform (Optimaviz):** Developed an AI Bot Assistant to provide help with the Data analysis process on Optimaviz web, tailored to Mining and Process engineering, integrated with **OpenAI's LLM**.