

OSEMWEGIE EGHOSA EPRAIM

LEAD BACKEND DEVELOPER & AI ENGINEER

Benin, Nigeria | +234 9137363318 | Osemwegieeghosa@gmail.com
github.com/Ghost-tech-ng | eghosa.netlify.app

PROFESSIONAL SUMMARY

Innovative AI Engineer and Lead Backend Developer with over 5 years of experience architecting scalable, production-ready systems. Expert in web development, Python scripting, and integrating LLMs (Gemini, OpenAI) with microservices architectures. Proven track record in FinTech, Healthcare, and E-commerce, delivering high-performance solutions like the Adeon AI Healthcare Platform and automated trading bots.

TECHNICAL SKILLS

AI & Machine Learning	LLMs (Gemini, GPT-4), LangChain, Whisper, TensorFlow, SHAP, LIME, Computer Vision (OpenCV), RAG Pipelines
Backend Engineering	Python (FastAPI), Node.js (Express), PHP (Laravel), Microservices, REST/GraphQL APIs, WebSocket
Cloud & DevOps	Docker, AWS (S3, Transcribe), Google Cloud Platform, CI/CD, Nginx
Languages	Python, TypeScript, JavaScript, PHP, C++, SQL
Databases	PostgreSQL, MySQL, Redis, Vector Databases (FAISS)

PROFESSIONAL EXPERIENCE

ToksNet (Remote) <i>AI Engineer Lead Backend Developer & AI Integration Specialist</i> Project: Adeon AI Healthcare Platform <ul style="list-style-type: none">Architected a 3-tier microservices platform using FastAPI with 20+ REST endpoints, integrating Gemini 2.5 Pro and Whisper for advanced medical analysis.Implemented context-aware conversational AI using LangChain for automated skin/eye condition detection and longitudinal health tracking.Optimized system performance to achieve 2.5-2.9× real-time transcription speeds and implemented multi-level caching strategies to reduce API latency.Deployed production-ready containerized services (Docker) with circuit breaker patterns and async/await architecture to handle concurrent requests efficiently.Engineered HIPAA-conscious architecture with multi-layer content safety pipelines and severity-based classification systems.	Oct 2025 – Jan 2026
Sosotoba Institute of Technology Benin City, Nigeria <i>Senior Laravel Developer</i> <ul style="list-style-type: none">Led a team of developers to create and maintain scalable web applications and Hospital Management Software.Designed and optimized MySQL databases for high performance handling millions of records.Solved complex problems using latest cloud, mobile and web technologies.	Aug 2023 – Feb 2024

- Conducted code reviews and mentored junior developers, fostering a culture of continuous improvement.

Tryve Technologies | Benin City, Nigeria

June 2022 – July 2023

Junior Software Developer

- Developed and maintained web applications using Laravel, ensuring code quality and performance.
- Integrated third-party APIs and services to extend application functionalities.
- Collaborated with cross-functional teams to define project requirements and deliver timely solutions.

KEY PROJECTS

Gold Breakout Bot (FinTech): Python-based algorithmic trading system utilizing market breakout patterns to generate real-time signals via Telegram API.

Anxiety App (Mobile Health): React Native mobile application integrating device sensors for tremor detection and haptic-guided breathing exercises.

Crime Prediction AI (Machine Learning): Explanatory AI system using TensorFlow and SHAP/LIME to predict and visualize crime patterns with transparent model decision-making.

Neems Food Hub (E-commerce): Full-stack food delivery platform (neemsfoodhub.com) featuring real-time order tracking and WhatsApp integration.

Lendsqr Backend (FinTech): Comprehensive digital wallet system built with Node.js/TypeScript handling secure fund transfers and account management.

EDUCATION

B.Eng Computer Engineering | University Of Benin, Nigeria

April 2024

Fullstack Web Developer | ALX Africa, Lagos

Feb 2023

REFERENCES

Available upon request