

# OSEMWEGLIE EGHOSA EPRAIM

LEAD BACKEND DEVELOPER & AI ENGINEER

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## 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)

Oct 2025 – Jan 2026

AI Engineer / Lead Backend Developer & AI Integration Specialist

Project: Adeon AI Healthcare Platform

- 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 2.5-2.9x 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.

### Sosotoba Institute of Technology | Benin City, Nigeria

Aug 2023 – Feb 2024

Senior Laravel Developer

- 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.

- 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

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**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](http://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

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**B.Eng Computer Engineering** | University Of Benin, Nigeria

April 2024

**Fullstack Web Developer** | ALX Africa, Lagos

Feb 2023

## REFERENCES

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Available upon request