

EMMANUEL NKEREUWEM

FULL STACK DEVELOPER | AI ENGINEER

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PROFESSIONAL SUMMARY

Dynamic full-stack developer and applied AI engineer with five years of experience in crafting scalable web applications, AI-driven systems, and blockchain-integrated solutions. Expertise in developing production-ready AI tools for diverse applications, including surveillance, chatbots, and fintech, complemented by comprehensive full-stack development using modern frameworks. Proven track record in remote collaboration, optimizing performance, and delivering ethical, high-impact solutions.

TECHNICAL SKILLS

- HTML, CSS, Javascript
 - Typescript
 - React, TailwindCSS
 - Next.js
 - Python
 - Django, FastAPI
 - CI/CD pipelines
 - RAG Implementation
 - Solidity
 - Rust
 - SQL, Mongodb, Postgres,
 - LangChain, Langraph

PROFESSIONAL EXPERIENCE

Backend Engineer Lead | VideoDB AI Surveillance Agent

Oct 2025 - Jan 2026

- Developed scalable backend solutions for video processing and data management.
 - Conducted performance tuning of server applications, enhancing overall responsiveness and stability.
 - Led integration of AI algorithms to enhance surveillance accuracy and efficiency.

Backend Engineer | Private Chatbot for Companies

Jan 2025 - Sept 2025

- Developed a secure Python/LangChain backend for a fintech chatbot, enabling precise document-based queries for internal tools.
 - Integrated NLU and file processing to extract insights from sensitive crypto and financial data with a high focus on privacy.
 - Refined system accuracy through iterative testing phases to ensure reliable deployment in production environments.
 - Reduced development time by 20% by architecting reusable React components and optimizing RESTful API performance.

Full stack Developer

Oct 2023 - Dec 2024

- Engineered Django backend logic for cart, order, and payment systems, designed for fintech and crypto-transaction scalability.
 - Managed MySQL databases for inventory and transactions, implementing secure APIs to ensure data integrity and fraud prevention.

EDUCATION

Software Engineering

Aug 2019 - Oct 2020

- ALX Cohort 9

ADDITIONAL INFORMATION

- **Languages:** English, French.