

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

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