

Cyprian Aarons

Senior Engineer

Name: Cyprian Aarons
Title: Senior Engineer
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Professional Summary

Innovative AI Engineer and Entrepreneur with over six years of experience in full-stack and blockchain development, specializing in scalable applications and user-centric design. Proven ability to lead cross-functional teams, mentor junior engineers, and implement advanced technologies such as AI, machine learning, and blockchain to address complex challenges. Committed to building multilingual AI platforms to provide accessible AI solutions for diverse user bases.

Professional Experience

Founder & CTO

2023 – Present

AfricAI.xyz, Harare, Zimbabwe (Remote)

- **Developed AI Platforms:** Led creation of AI-driven applications, including Danai.chat and ZivAI, providing accessible AI solutions tailored for African users.
- **Enhanced Accessibility:** Developed platforms as alternatives to global AI tools, incorporating local languages and contexts to better serve African users.
- **AI Integration:** Spearheaded integration of OpenAI APIs and LangChain for next-generation AI functionalities.
- **Educational Initiatives:** Created African Folktales, a generative AI platform designed to teach children to read, speak, and learn African languages.
- **Backend Development:** Built core APIs using Python and FastAPI.
- **Support for Education and Business:** Developed Danai.chat & ZivAI.app to assist students in learning and small business owners in creating business plans.

Full Stack Mobile Developer

2023 – 2024

CST Ltd, Remote (UK)

- **Mobile App Development:** Designed and deployed mobile applications with AI-driven insights for supply chain optimization.
- **Process Optimization:** Reduced supply chain processing times by over 80% through advanced machine learning techniques.
- **System Integration:** Seamlessly integrated custom FastAPI solutions with existing IT infrastructures.
- **Middleware Development:** Developed Middleware APIs to communicate with third-party solutions, enhancing system interoperability.

Full Stack Blockchain Developer

2022 – 2024

Coindraw.io, Remote (UK)

- **Blockchain Platform Engineering:** Designed and implemented blockchain-based platforms supporting secure and efficient transactions.
- **User Base:** Platform active with 2,000 users.
- **Smart Contracts Development:** Created smart contracts for gaming, NFT tickets, and tokens to handle prizes.
- **Backend APIs:** Developed robust backend APIs for ticket draws and user management using the MERN stack.
- **Admin & Web Applications:** Built admin panels and web applications to manage platform operations.
- **Platform Management:** Managed platform integrity and security through secure smart contracts and AI-based security audits.

Full Stack Developer & Web3 & Blockchain

2021 – 2024

Freeflow.network, Remote

- **Custom Blockchain Projects:** Delivered user-friendly and highly functional blockchain projects.
- **Global Collaboration:** Worked with global teams to develop over 20 Web3 solutions, enhancing user engagement and system performance.

Frontend Engineer & Lead Developer

2019 – 2021

Fresh Ideas, Remote

- **E-commerce Development:** Led development of data-driven online grocery platforms, incorporating machine learning for demand forecasting.
- **Team Leadership and UX Enhancement:** Directed a development team of 10 in creating responsive web applications with React.js, significantly enhancing user experience through AI-based features.

Education

Bachelor of Technology in Software Engineering

2017 – 2021

Harare Institute of Technology, Harare, Zimbabwe

Technical Skills

Programming Languages:	Python, JavaScript, TypeScript, Go
Frameworks & Libraries:	React, Node.js, Express.js, Next.js, FastAPI
Databases:	PostgreSQL, MongoDB, Pinecone
AI Technologies:	OpenAI APIs, LangChain, AI Automation
Blockchain Technologies:	Smart Contracts, Ethereum, Web3.js
Tools:	Git, Docker, Supabase, Figma
Other Skills:	RESTful APIs, Mobile App Development, System Integration, Unit Testing,

Soft Skills

- Problem-solving
- Creativity

- Collaboration
- Leadership
- Adaptability

Achievements

- **User Engagement:** Successfully built and managed a platform with over 20,000 users and facilitated more than 10,000 active logins.
- **Funding:** Raised over \$45,000 to support AfricAI Pre-seed round.
- **Efficiency Gains:** Implemented solutions that dramatically improved operational efficiency in various roles.

Publications

Authored articles on AI, blockchain, and decentralized applications on Dev.to, contributing to community knowledge and awareness.

Languages

English: Fluent

Life Philosophy

”Hard work and consistency always beats talent.”