



Cyprian Tinashe Aarons

Senior Full Stack & AI Engineer

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PROFESSIONAL SUMMARY

Senior Full Stack & AI Engineer with 6+ years architecting scalable systems and leading engineering teams (up to 20 developers). Expert in GenAI workflows (LangChain/LangGraph) and robust backend infrastructure. Proven track record scaling platforms to 20,000+ users and optimizing performance by 75%. Technical authority with 20k+ reads and 2,000+ developer community.

EXPERIENCE

02/2025 – Present
Remote

Independent Consultant

Senior Full Stack & AI Engineer

- **AI Orchestration:** Architected production-grade AI microservices using FastAPI and LangChain, improving automated customer engagement metrics by 25%.
- **Technical Writing:** Authored deep-dive technical articles on AI architecture, reaching 20,000+ reads and building community of 2,000+ active subscribers.
- **Performance Engineering:** Optimized SQL schemas and data processing pipelines, increasing data retrieval efficiency by 40% for data-intensive SaaS applications.
- **DevOps:** Implemented automated CI/CD workflows and containerization (Docker/AWS), reducing deployment cycles by 50%.

01/2023 – 02/2025
Sandton, South Africa

Africai

Chief Technology Officer

- **Team Leadership:** Led team of 3 developers building robust AI platform, scaling architecture to support 20,000+ active users with 99.9% uptime.
- **System Optimization:** Achieved 35-75% reduction in API response times by implementing aggressive caching strategies and query optimization.
- **GenAI Integration:** Spearheaded integration of Stability.ai and OpenAI, utilizing serverless functions for high-speed content generation.

06/2022 – 12/2024
Remote

Coindraw

Senior Backend & Web3 Engineer

- **High-Concurrency Scaling:** Engineered backend systems to support 10,000+ concurrent users during high-traffic crypto events.
- **Fintech Infrastructure:** Built secure payment gateways and automated withdrawal systems using Node.js and PostgreSQL, processing thousands of daily transactions.

01/2023 – 01/2024
Remote (UK)

CST

Senior Full Stack Developer (Contract)

- **Workflow Efficiency:** Reduced processing times by 80% for critical internal workflows through backend refactoring and asynchronous task management.
- **Performance:** Improved API response times from 500ms to 200ms by engineering optimized data-fetching strategies in Next.js.

10/2018 – 12/2023
Remote

Topiax.xyz

Founder & CTO

- **Engineering Leadership:** Managed distributed team of 20 developers building decentralized blockchain applications and Web3 tools.

- **Blockchain Scaling:** Scaled decentralized infrastructure to handle 10,000 concurrent users through Node.js microservices and Redis caching.

09/2022 – 01/2023
Remote (UK)

Vanti

Frontend Engineer

- **IoT Dashboards:** Developed real-time, high-performance user interfaces using Vue.js for IoT applications, syncing data from Golang-based hardware backends.

01/2020 – 12/2021
Harare, Zimbabwe

Freshideas

Lead Engineer & CTO

- **Team Leadership:** Directed cross-functional team of 10 developers, maintaining 100% on-time delivery record for multiple eCommerce and SaaS products.
- **Quality Standards:** Introduced standardized CI/CD and automated testing, reducing production incidents by 40%.

EDUCATION

Harare, Zimbabwe

Bachelor of Science in Software Engineering

Harare Institute of Technology

Graduated

TECHNICAL SKILLS

AI & Machine Learning

GenAI (OpenAI, Anthropic),
LangChain, LangGraph, RAG
Systems, TensorFlow, PyTorch

Backend & Cloud

Python (FastAPI, Django),
Node.js, Go, AWS (Lambda, RDS,
S3, Redshift), Docker, CI/CD

Frontend Engineering

React, Next.js, TypeScript, Vue.js,
Tailwind CSS, Responsive Design
Systems

Blockchain & Web3

Solidity, Smart Contracts, DeFi
Protocols, Web3.js, Ethers.js

CERTIFICATIONS

- **AWS Certified Developer:** Associate Level - Cloud Development and Deployment
- **Deep Learning Specialization:** PyTorch (Meta/DeepLearning.AI) - Advanced Neural Networks
- **AWS Certified Machine Learning Engineer:** Associate Level - ML Model Development and Deployment
- **LangChain & LangGraph for AI Agents:** Advanced AI Orchestration and Agent Development
- **DeepLearning.AI TensorFlow Developer:** Professional Certificate Deep Learning with TensorFlow