

Cyprian Tinashe Aarons

Senior Applied AI Engineer | Engineering Profile

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Profile

Software engineer focused on Python backend services and retrieval-based AI workflows. Experience combines hands-on client delivery with engineering leadership. Builds API integrations and operational software, with attention to testing, failure handling, and clear system boundaries. Seeking a senior role with ownership of implementation and ongoing delivery.

Technical skills

Applied AI: LangGraph, LangChain, retrieval-augmented generation, evaluation, OpenAI API

Backend and delivery: Python, FastAPI, PostgreSQL, Redis, API integrations, AWS, Docker, CI/CD

Product interfaces: TypeScript, React, React Native, Vue.js

Selected engineering experience

Senior AI Engineer | Independent Consultant

- Worked on retrieval-based insurance enquiries, healthcare recovery workflows, and assessment software using Python, FastAPI, and LangGraph.
- Developed AI workflow and API designs with explicit tool boundaries, human handoff, and project-specific delivery requirements.

Chief Technology Officer | AfricAI

- Led engineering delivery for an AI platform, combining architecture and implementation with team coordination and release planning.
- Worked on Redis caching, query optimisation, asynchronous Python services, and integrations with OpenAI and Stability.ai.

Senior Engineer | Independent Contract Engagements

- CST: built a React Native/Expo operations application and FastAPI service integrations for reception, deliveries, passes, and device workflows; connected HaloPSA, live updates, and staff notifications.
- Coindraw: developed backend functionality for a Web3 competition platform with payment, draw, and prize workflows.
- Vanti: built Vue dashboards connected to Go-based telemetry services for an IoT platform.

Founder and Chief Technology Officer | Topiax

- Founded a software delivery studio; led client projects, architecture, and implementation, and established testing and release practices.

Software Engineering | FreeFlow

- Delivered Solidity smart contracts, DeFi, and NFT platform work for international clients.

Lead Engineer and Chief Technology Officer | Freshideas

- Led a cross-functional team delivering eCommerce and SaaS products, with responsibility for engineering coordination and release practices.

Selected engineering work

Semai AI Support | Built. Designed the agent, API, retrieval, tool, and operator layers for a support workflow using Python, FastAPI, LangGraph, and React, with human handoff and operator feedback. [Case study](#)

MedReclaim AI | Implementation-ready design. Designed a separation between conversation and protected tool services, with tenant and identity checks, audit records, and human handoff for healthcare recovery workflows. [Case study](#)