

Amos Mwangi

FULL-STACK & AI ENGINEER ·
NEXT.JS, FASTAPI, CLAUDE & RAG

CONTACT

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FULL-STACK

Next.js, React, TypeScript, Tailwind;
Python (FastAPI, Django, Flask), Go;
REST / GraphQL APIs; specs to shipped
features

AI / LLM

Anthropic API (Claude), RAG, human-in-
the-loop escalation, evaluating outputs
against human ground truth, multi-agent
review

DATA

PostgreSQL (schema design, pgvector),
Redis, SQLite, MongoDB; ETL,
validation, reconciliation; privacy-aware
handling of sensitive data

DELIVERY

Docker, CI/CD, GCP / Linux VPS, Nginx,
cron; monitoring, alerting and tests so a
live service never fails silently;
Playwright, Jest

EDUCATION

Moringa School
Full Stack Software Development, 2019

CERTIFICATION

Cisco Ethical Hacker
USIU-Africa, 2026

SUMMARY

Full-stack and AI engineer with 6 years shipping production software that real people use. I build web products end to end, Next.js and TypeScript on the front, Python (FastAPI, Django) and Go on PostgreSQL behind, and the LLM systems behind them. I work human-in-the-loop by default: the model handles routine cases and escalates anything risky, clinical or uncertain to a person, with evaluation and monitoring around it. I care about correctness around money and sensitive data, write tests before a thing is "done", and work independently from Nairobi (UTC+3) with wide timezone overlap.

6+ years shipping	12.6M records in production	Claude API + RAG, HITL	Full stack, front to deploy
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EXPERIENCE

Full-Stack / AI Engineer 2023 - Present
LinkedTrust · Remote

- Built **Next.js / React** dashboards and internal tools over **Python (FastAPI / Django)** APIs and Postgres, turning user needs into specs and shipping features end to end.
- Integrated the **Anthropic API and RAG** into research and reporting, with **human-in-the-loop** escalation and evaluation of outputs against human ground truth rather than trusting model output.
- Rebuilt ingestion for a public portal of **12.6M records** with validation, deduplication, reconciliation and **monitoring and alerting** so failures surface in minutes.
- Owned delivery on a small distributed team: Docker, CI/CD, clear docs, tests before release.

Software Engineer 2020 - 2022
Azentrix · Mowasalat

- Application development, implementation, debugging and maintenance across client projects, including operational workflows and vendor integrations.

SELECTED PROJECTS

Companion · Human-in-the-loop support assistant: answers routine questions from a knowledge base and escalates risky, clinical or uncertain ones to a person. Next.js, FastAPI, Claude, RAG. Live at companion-web-k5ui.onrender.com

ClearDD · Automated financial due diligence: statements on the client's basis, EBITDA and working capital, anomaly flags, and the workbook, deck and PDF advisers deliver. Django, DRF, Celery, Postgres, React.

Arizona Sunshine Portal · Public portal over 12.6M campaign-finance records kept queryable through repeated bulk ingests. Django, PostgreSQL, React.

MpesaGuard · Exactly-once payment integrity for M-Pesa / Daraja: idempotency, reconciliation and safe retries.

Extreme POS · Live point of sale running a Nairobi print shop: twelve modules against the database the shop trades on. PHP 8, SQLite.