

TAFADZWA MUSHAMBA

Software Engineer | TypeScript and React | Python and FastAPI | AI Products
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PROFILE

First Class Computer Science graduate who builds and ships AI products on my own. I have four software projects live: an AI film studio, a music streaming platform for a client that takes real payments, and two AI apps on the App Store. I work mostly in TypeScript and React on the front and Python or Node.js on the back, and I care about finding the real cause of a problem and fixing it properly.

SKILLS

TypeScript, JavaScript, React, Next.js, Node.js, Python, FastAPI, SQLAlchemy, Swift, SwiftUI, PostgreSQL, SQLite, SQL, REST APIs, Docker, Fly.io, Netlify, Cloudflare R2, GitHub Actions, Pytest, Vitest, Playwright, Git
LLM integration (OpenAI, Anthropic, Google Gemini), AI agents, real time voice (WebRTC, LiveKit), Stripe, Auth0

WORK EXPERIENCE

Administrative Coordinator | Kainos Care, UK | *Jul 2025 to Present*

- First point of contact for clients, families and carers by phone and email, resolving queries or passing them to the right person.
- Keep client records and audit logs accurate and confidential to support compliance.

Marketing Operations Coordinator | RMT Group (financial services), UK and Gibraltar | *Jul 2023 to Sep 2024*

- Kept CRM data accurate and got the UK and Gibraltar offices to agree one lead qualification process.

SOFTWARE PROJECTS

Poiema, AI film studio | app.poiema.pro | *2026 to Present*

- Turns a story into characters, storyboards, clips and finished episodes, directed by an in app Copilot agent. Built on my own.
- Next.js, React and TypeScript frontend with a workflow canvas; Python and FastAPI backend calling OpenAI, Anthropic and Google models, with a background worker for long jobs.
- Runs in Docker on Fly.io with over 500 automated tests in GitHub Actions. Stripe credit billing uses idempotency keys so a repeated payment event cannot credit a customer twice.

Soul Capone Records, music streaming platform | soulcaponerecords.com | *2025 to Present*

- Client project for a record label: React and JavaScript frontend, Node.js serverless functions, PostgreSQL, LiveKit live streaming, Auth0 and live Stripe payments.
- Fixed real user issues, like new users missing from the admin dashboard because profiles were not saving at login, and closed a hole that let people play paid tracks without paying.

Nomino and Strenua, iOS apps | App Store | *2025 to Present*

- Nomino: AI language tutor with real time voice conversations in 17 languages, using the OpenAI Realtime API and WebRTC through LiveKit.
- Strenua: AI training coach with a multi agent engine that plans each session, built in SwiftUI and SwiftData.

EDUCATION

BSc Computer Science, First Class Honours | Middlesex University, London | *Sep 2022 to Jun 2025*

- Modules: Programming (CST1110), Design and Development of Applications (CST1122), Foundations of Computing (CST1133), Systems and Architecture (CST1140), Object oriented Programming (CST2110), Web Applications and Databases (CST2120), Software Engineering Management and Development (CST2550), Operating Systems and Computer Networks (CST2555).
- Final year: UG Individual Project (CST3930), Advanced Topics in Data Science and Artificial Intelligence (CST3133), Full Stack Development (CST3344), UX Design (CST3160), Business Intelligence (CST3340).
- Final year project: personal finance education web app built with React, Node.js, Express, MongoDB and the OpenAI API.

Eagles Vale High School | 5 GCSEs