Fortune Max-Eguakun

Senior Software Engineer · Python (Django, FastAPI) · PostgreSQL · Data migrations & pipelines · LLM features, RAG and MCP in production

Barcelona, Spain (open to remote) · fme.dev/contact · fme.dev · LinkedIn · GitHub

SUMMARY

Backend engineer who likes the layer underneath the product. I joined a regulated VC platform as an intern in a team of six engineers, and as it shrank to two and then to one, I took on more each time. I led the rewrite of its 8-year-old system, moved it over piece by piece (MySQL to PostgreSQL, AWS to Railway and Vercel, about 95% lower hosting cost), and built the LLM tools the business runs on: AI-drafted portfolio reports, search across company email and documents, and an MCP server that lets AI agents query our data. Outside work I build ThinClaw, a multi-user AI assistant platform, and I've earned two compiler bug bounties.

EXPERIENCE

OneRagtime — Barcelona, Spain

Senior Full-Stack Developer (Sep 2025 – Present) · **Full-Stack Developer** (Apr 2024 – Aug 2025) · **Full-Stack Developer Intern** (Apr 2023 – Apr 2024)

VC investment platform covering the whole cycle: dealflow (sourcing and screening startups), CRM, investor onboarding with regulated KYC/AML, payments and e-signature, and portfolio valuation and reporting (about €97M raised, around 450 active investors). From mid-2025 one of two engineers, owning architecture and technical decisions; since September 2026 the only engineer, responsible for delivery, infrastructure and support for the business team, and now onboarding a new engineer.

Platform rewrite and migration

- Proposed and led a rewrite of the Django/MySQL monolith and wrote about 85% of the new backend and internal back-office app at switch-over, including the data model (154 tables down to 101), the valuation engine and the API layer. The move from AWS to Railway and Vercel **cut infrastructure cost by about 95%**.
- Moved it over piece by piece: new UIs first, on the old API; then the new schema, filled by an ETL script from production backups and checked against the legacy numbers before the switch. The final cut-over was one run of that same script, rehearsed many times on production copies.
- Rewrote valuation recalculation from minutes per startup to 0.3 s (about 7 s for the whole portfolio), and cut the KPI dashboard from 18 s and thousands of queries to two.
- Set up the monitoring I run the platform with: every request logged before the view runs (so a crash still leaves a record), redacted and linked to its Sentry issue, with deduplicated Slack alerts on server errors and on failures that don't crash anything, such as a third-party quota running out.
- Run about 60 background jobs on Celery and Redis (CRM and email syncs, document indexing, scheduled alerts), queued only after the database transaction commits, with row locks around anything that moves money.

Data, search and AI infrastructure

- Built a startup enrichment and scoring pipeline for deal screening: company and founder data from Crunchbase, LinkedIn and web search, matched across sources by IDs and URL slugs, competitor names resolved to Crunchbase companies, and scoring features such as prior fundraising, press coverage and founder track record.
- Built search across 170k+ company emails, notes and decks, combining PostgreSQL full-text search with pgvector embeddings, with new mail indexed as it arrives.
- Created the company MCP server (TypeScript), which **the business team uses through Claude** to look up investors, past conversations, investments and who we know at a company. When the new backend shipped a GraphQL API, I rebuilt it around two tools with minimal inputs, so new backend fields are queryable with no server change; row and query-time limits are enforced in the backend.
- Built the pipeline that drafts our quarterly portfolio reports with an LLM (Gemini, a structured-output schema built per company from its previous KPIs, a source cited for every figure). An analyst's work per report went from about four hours to a **10–15 minute review**.

Integrations

- Built and ran our two-way Pipedrive integration, then led the data side of moving the CRM in-house: imported 8,000+ records, recovered over 2,500 notes and activities the first import had dropped, and stopped re-runs from creating duplicate companies.
- Automated investor subscriptions and SPV signing with the DocuSign API: documents prefilled from platform data, fields placed by anchor text so they survive template changes, and signing status tracked through webhooks.
- Also integrated Gmail, Brevo, Lemlist, Notion, Pennylane and Slack.

Skylight (University of Benin) — Nigeria / Remote

Technical Lead & Creator (Jun 2019 – Present)

- Built, and still run, the academic records system used by 5 engineering departments for registration, results, GPA and official results sheets. It replaced a shared MS Access database, and reports that took days now take a click.

- Rebuilt it in 2024 (Django 5, Nuxt 3, Railway): migrated the legacy data and curricula to the new national standard, with one shared codebase each department deploys as a git submodule. It runs for a few cents per department a month.

Bank of America — Dublin, Ireland
FICC Rates Technology Intern (Jul 2019 – Dec 2019): built a dashboard that brings together trades from several booking systems (Python, React), and helped migrate the team's code from Python 2 to 3 ahead of end of life.

SELECTED PROJECTS

- **CloudStation3** (MEng capstone, GitHub · demo): play PS3 games in a browser. Emulator frames are encoded on the GPU (NVENC) and streamed over WebRTC, and the browser gamepad drives a virtual Linux joystick (C++, Python, Vue).
- **ThinClaw** (overview): a multi-user AI assistant on Telegram, with a private Linux environment per user. It works on my projects and code from my phone, learns my taste, runs scheduled jobs, and asks before anything that moves money (TypeScript, built with coding agents).

EDUCATION

- **Harbour.Space University**, Barcelona: Master of Engineering (MEng), Front-End Development major, Data Science minor. GPA 92.7/100 (3.63/4.0). 2022 – 2024. Capstone: CloudStation3.
- **University of Benin**, Nigeria: B.Eng Mechanical Engineering, GPA 4.2/5.0 (2021). Final-year project (published): designed and built a series-hybrid electric go-kart.

AWARDS

TON bug bounties for two FunC compiler bugs: 1,000 TON (about $2,400, 2022) and 250 TON (about $1,800, 2024; the fix became a compiler default) · TON Smart Challenge 3: 5/5 tasks, $2,000 (2022) · Google Hash Code 2022: 3rd in Nigeria and Ireland · GDG Dublin DevFest Hackathon: 1st place (2019) · IEEEXtreme 11.0: 3rd in Nigeria (2017)

SKILLS

Languages: Python, TypeScript/JavaScript, SQL, C/C++
Backend: Django/DRF, FastAPI, Celery, GraphQL, REST, Node/Express · **Frontend:** Vue 3, Nuxt, React/Next.js
Data & AI: PostgreSQL (pgvector, FTS), MySQL, Redis, RAG/hybrid search, MCP, Gemini/OpenAI/Anthropic APIs
Infra: Docker, Railway, Vercel, AWS, GitHub Actions, Sentry, WebRTC · **Fintech:** KYC/AML, DocuSign, Mangopay