Amanuel Yizelkal

Senior Full-Stack Engineer & Product Founder

+251 985 855 044
amanuel.yizelkal.dev@gmail.com
amanyize.com · linkedin.com/in/amanuel-yizelkal
github.com/AmanYize · Addis Ababa, Ethiopia

Full-stack engineer who designs, builds and runs software end to end, from the data model to the deploy. I founded and run **Sage Trading Journal** and **SageBizet**, and I've helped ship production systems used daily across Ethiopia: national logistics, emergency dispatch, EV charging inside telebirr, and COP32 government platforms. I work mostly in TypeScript with Next.js, NestJS, PostgreSQL, Redis and Docker, and self-host what I build.

~400	56	~600	7
traders on Sage Trading Journal, my product	businesses signed up to SageBizet, my product	drivers on ZemenGEBEYA Logistics, across 18 regions	production systems shipped for government & industry

MY PRODUCTS

Sage Trading Journal — Founder

2026 · sagetradingjournal.com · Live

- Free trading journal, replay and analytics workspace used by **around 400 traders**.
- Candle-by-candle replay engine on TradingView charts, automatic trade journaling, and an AI coach that grades execution, not outcomes.
- Institutional analytics (Sharpe, Sortino, Kelly, SQN), Monte Carlo and probability-of-ruin; tilt and revenge-trade detection.

`Next.js · TypeScript · NestJS · MongoDB · Prisma · React Query · TradingView · MinIO · Docker`

SageBizet — Founder

2026 · sagebizet.com · Live

- POS, inventory and booking SaaS for small businesses, with **56 real businesses** signed up.
- Offline-first point of sale that keeps selling through outages and syncs in the background; cash-drawer reconciliation, expenses, customer credit accounts.
- Modular domains (POS, inventory, finance, customers) behind typed APIs and role-based access.

`Next.js · NestJS · TypeScript · PostgreSQL · Prisma · Redis · Docker · MinIO`

Questline — Founder

2026 · In development

- Gamified engineering management: requirements traced through review and QA, live release quality gates, and XP from an immutable ledger of verified work only.
- Monte Carlo delivery forecasts, flow metrics and capacity planning; scoped dynamic RBAC; signature-verified GitHub webhooks.

`Next.js 16 · NestJS 12 · PostgreSQL 17 · Prisma 7 · Redis · BullMQ · Socket.IO · Turborepo`

Enegenagne — Founder

2026 · In development

- "Let's meet": dating and nearby discovery for Addis Ababa on web and mobile, with an opt-in coarse map that never exposes exact location.
- Moderation console, data export and 30-day deletion, and refresh-token rotation with theft detection.

`Expo / React Native · Next.js 16 · NestJS 12 · PostgreSQL · Prisma 7 · Zod`

PRODUCTION SYSTEMS

ZemenGEBEYA Logistics + Drivers App

2026 · In production

Full-stack engineer, team project

- Consolidation and dispatching across **18 regions**, used daily by **~600 drivers and ~200 staff**.
- Expo driver app with OTP-verified delivery, returns, SOS, incidents and background location, on a versioned mobile API (v7).
- Self-hosted Supabase stack behind Nginx with Docker; partner API and a public order-tracking portal with a secure BFF.

`React · TypeScript · Supabase (self-hosted) · PostgreSQL · Edge Functions · Expo · Mapbox · Docker`

PRODUCTION SYSTEMS, CONTINUED

Addis Ababa Fire & Emergency CAD + Apps

2026 · In production

Full-stack engineer, team project · Addis Ababa Fire and Disaster Risk Management Commission

- NG911/939 computer-aided dispatch: incident lifecycle, PostGIS mapping, DMR Tier III radio and console telephony, with an immutable audit trail.
- Offline-first Mobile Data Terminal for fire trucks and ambulances, plus the Addis Emergency citizen app.

`NestJS · Next.js · Expo · PostgreSQL / PostGIS · Prisma · Redis · Meilisearch · pnpm monorepo`

COP32 Customs · COP32 eVisa · COP32 Agafari

2026 · In production

Full-stack engineer · Government platforms for Ethiopia's hosting of COP32 (UNFCCC)

- **Customs** for the Ethiopian Customs Commission: goods declaration and multi-agency clearance (INSA, NISS, EFDA, EBA).
- **eVisa**: applications, validator and approver workflows, on-arrival registration, generated eVisa PDF.
- **Agafari** for the Ministry of Foreign Affairs: 50+ diplomatic service workflows on one workflow engine.

`Next.js 16 · NestJS 11 · PostgreSQL 17 · Prisma 7 · Redis 8 · React · Playwright · Docker`

EV Charge Mini App on telebirr

2025 · In production

Mini-app developer (frontend)

- Driver mini-app inside the telebirr SuperApp: automatic sign-in, wallet top-up through the telebirr SDK with deposit polling, QR scan-to-charge, live cost breakdown, PDF receipts.

`React 19 · Vite · Tailwind CSS 4 · telebirr SDK · Supabase JS · Capacitor · Docker`

Ayni AI Video Surveillance

2026 · In production

- Moved the platform off a hosted backend onto self-hosted NestJS; MediaMTX media gateway and OpenVINO workers (YOLOX, RF-DETR) turning camera feeds into searchable events.

`NestJS 11 · React · PostgreSQL · MediaMTX · Python · OpenVINO · Docker`

Also built: Real-Time Stock Market Platform (Next.js, Better Auth, Inngest, AI insights) · PK-12 freight marketplace with escrow (NestJS, Expo) · Payment gateway microservices for Guba Technology (NestJS, Redis, Docker Swarm).

SKILLS

Languages	TypeScript, JavaScript, Python, SQL, Dart
Frontend	React 19, Next.js, Vue / Nuxt, Tailwind CSS, three.js, GSAP
Backend	NestJS, Node.js, Express, Fastify, REST, WebSockets, Prisma, Zod
Data	PostgreSQL / PostGIS, MongoDB, Redis, BullMQ, Supabase, MinIO
Mobile	Expo / React Native, Flutter, telebirr mini-apps
Delivery	Docker, Nginx, Caddy, GitHub Actions, Vitest, Playwright

EXPERIENCE

Full-Stack Developer · Freelance

2024 – Present

Production systems for government agencies and companies, from data model to self-hosted infrastructure.

Algorithmic Trader · Independent

2024 – Present

Pine Script strategies; automated Python execution on the Binance API with strict risk limits.

EDUCATION

Bachelor's degree, Computer Science

CERTIFICATIONS

Become a Full-Stack Web Developer
LinkedIn Learning · 2024

Python for Everybody
University of Michigan · 2023

Learn Next.js
Codecademy · 2025

Learn TypeScript
Codecademy · 2025

Back End Development and APIs
freeCodeCamp · 2024

Front End Development Libraries
freeCodeCamp · 2024

Relational Database Design
Univ. of Colorado Boulder · 2023

Bits and Bytes of Computer Networking
Google · 2023

DevOps Foundations
LinkedIn Learning · 2024

Learning REST APIs
LinkedIn Learning · 2024

21 certificates in total, each verifiable at **amanyize.com**.