

Seifeldin Adel Elsayed Hassan Ali

Full-Stack Developer · Co-Founder, Iano

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SUMMARY

Full-Stack Developer and co-founder of Iano, a two-person software studio in Nairobi. Builds and ships production multi-tenant SaaS, ERP, restaurant POS, and three-sided logistics platforms across web, native Android, and React Native. Works end-to-end, from strict-TypeScript monorepo back-ends with RBAC, tenant isolation, and real-time sync, to polished, responsive front-ends. AWS Academy-trained in Cloud and Generative AI foundations.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, SQL, Kotlin, Python, C++, Java, HTML5, CSS3

Front-End: React, Next.js (App Router, RSC, Server Actions), React Native (Expo), Tailwind CSS, shadcn/ui, Radix, Framer Motion, Zustand, react-hook-form, Zod

Back-End: Node.js, Express, NestJS, REST API design, Socket.IO / WebSockets, BullMQ, Auth.js

Databases: PostgreSQL, MongoDB, Redis, Prisma, Drizzle ORM, relational & document modeling

Architecture: Multi-tenant SaaS, Turborepo / pnpm monorepos, pluggable module systems, offline-first sync, RBAC, audit logging, domain-driven design

Cloud, DevOps & Tooling: Docker, Caddy, Nginx, PM2, Cloudflare, DigitalOcean, Netlify, AWS (Cloud Foundations), GitHub Actions CI/CD, Vitest, Playwright, MinIO / S3, Linux (Arch)

Integrations: M-Pesa (Daraja), Shopify Storefront API, HubSpot, SendGrid, Google Maps, Cloudinary

EXPERIENCE

Co-Founder & Full-Stack Developer - Iano

Nairobi · 2020 – Present

- Co-founded a two-person Marketing Agency; engineer production web, mobile, and SaaS products end-to-end, both as client work and as in-house products.
- Ship multi-tenant SaaS platforms (ERP, restaurant POS, delivery logistics) on strict-TypeScript monorepos with RBAC, tenant isolation, audit logging, and fully self-hostable deploy stacks.
- Own architecture across the stack, pluggable module systems, real-time WebSocket data flows, payment integrations (M-Pesa), and CI/CD pipelines.

Software Engineering Intern, Full-Stack - CodexSafari

Jan 2026 – Mar 2026

- Built front-end and back-end features for CodexPOS, a SaaS-first multi-tenant point-of-sale platform (NestJS + React monorepo), within clearly defined domain boundaries.
- Implemented role-based access control (RBAC) and multi-tenant data isolation so distinct retail organizations and permission levels operate securely on one platform.
- Engineered subscription gating to enable and restrict features by tenant tier, supporting the product's SaaS monetization model.
- Built reusable React components and RESTful NestJS service modules, owning features end-to-end.

SELECTED PROJECTS

MERX - Multi-Tenant Self-Hosted ERP Platform

merx.systems

Next.js 15 · TypeScript · Turborepo · PostgreSQL · Drizzle · Redis / BullMQ · Docker · Caddy

- Architected a self-hosted, multi-tenant ERP as a Turborepo monorepo with three first-party modules (Accounting, Inventory, Supply) on a pluggable registry, new modules self-register nav, routes, permissions, and PDF templates at boot without touching the core.
- Guaranteed tenant isolation with a request-scoped AsyncLocalStorage context and mandatory org-scoping on every query; permission-string RBAC and audit logging built into the platform layer.
- Shipped a keyed React-PDF document engine (Puppeteer fallback) and a fully self-hostable stack (Docker + Caddy auto-HTTPS), with Vitest and Playwright test suites.

Esto - Multi-Tenant Restaurant POS & Platform

esto.solutions

Next.js · TypeScript · Kotlin (Android) · Cloudflare · Docker

- Built a multi-tenant restaurant operating system spanning POS, inventory, analytics, and shift handling, plus a native Kotlin Android client with a cloud-mode printing pipeline, tagged v1.0.1 across 219+ commits.
- Implemented subdomain→path multi-tenancy at the Cloudflare edge and JSON-config-driven branding so new venues onboard by configuration, not code forks; multi-language (English / Arabic), multi-currency, and configurable tax.
- Hardened the POS for production with atomic concurrency handling, a rebuilt shift-close pipeline, and offline-capable order capture that syncs to the cloud on reconnect.

Amana - Three-Sided Delivery Logistics Platform

amana.ke

Express · Socket.IO · MongoDB · Redis · Next.js · React Native (Expo) · M-Pesa

- Delivered a three-sided logistics platform (restaurants, riders, customers) as a single Turborepo monorepo: an Express REST + WebSocket API, a Next.js admin dashboard, and a React Native (Expo) rider app sharing validation and config packages.
- Powered real-time order and rider tracking over Socket.IO, M-Pesa (Daraja) STK-push payments, and JWT access / refresh auth with OTP verification.
- Built the native rider app for reliable background location, notifications, and on-the-road performance, with a full deploy story across PM2 / Nginx, Docker, and EAS builds.

Octavia Carbon - Climate-Tech Marketing + Commerce Site

octaviacarbon.com

Next.js 14 · Tailwind · Framer Motion · Shopify Storefront API · HubSpot · SendGrid

- Built a production marketing-plus-commerce site for a Direct Air Capture climate-tech company, unifying brand storytelling with real transactions.
- Integrated headless commerce (Shopify Storefront API), CRM lead capture (HubSpot), and email (SendGrid) into one coherent experience; deployed on DigitalOcean with PM2.
- Balanced rich Framer Motion animation and imagery with SEO and fast first paint across devices.

inventory-ledger - Open-Source Offline-First Sync Engine

github.com/GrimmHush

TypeScript · Express · Vitest · GitHub Actions

- Built an offline-first inventory sync engine as runnable proof-of-competence: two-device offline reconciliation with explicit conflict-outcome handling, exercised by a demo that drives the real HTTP API end-to-end.
- Green CI pipeline typecheck, lint, 59 passing tests, and build with deliberate handoff documentation.

Additional client sites (React): Namaa Fruits, tropical-fruit export enquiry site (namaafruits.com); Sahara Winds air & sea freight and logistics site (saharawinds.ke); Iano studio site with shareable digital business-card profiles (iano.marketing).

EDUCATION

Foundation in Engineering – International Islamic University, Malaysia

Feb 2018 - Feb 2019

Bachelor of Business Information Technology - Strathmore University, Nairobi

April 2023 - Expected Aug 2026

Diploma in Business Information Technology - Strathmore University, Nairobi

Sep 2020 - Dec 2022

Articulated into the BBIT degree.

Relevant coursework: Web Application Development · Advanced Object-Oriented Programming · Data Structures & Algorithms · Advanced Database Systems · Mobile Application Development · Software Engineering · Cloud Computing · Cryptography & Network Security