

Seifeldin Adel Elsayed Hassan Ali

FULL-STACK DEVELOPER

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PROFESSIONAL SUMMARY

Full-stack developer and Business Information Technology graduate with hands-on experience building production-grade, multi-tenant SaaS software using React, NestJS, and TypeScript. Owns features across the stack, from adaptive front-ends to secure, role-based back-end services, and is AWS Academy-trained in Cloud and Generative AI foundations.

TECHNICAL SKILLS

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

Front-End: React, TailwindCSS, component-based UI, responsive & adaptive design, state management

Back-End: NestJS, Node.js, RESTful API design, modular service architecture

Architecture & Security: Monorepo, multi-tenant SaaS, RBAC, domain-driven design, and mitigation of web vulnerabilities (CSRF, SSRF, SQL Injection)

Databases: PostgreSQL, Prisma ORM, relational data modeling

Systems, Cloud & Tooling: Linux (Arch Linux), Docker, AWS (Cloud Foundations), Git & GitHub, CI/CD fundamentals, Agile collaboration

PROFESSIONAL EXPERIENCE

Software Engineering Intern, Full-Stack - CodexSafari

Jan 2026 – Mar 2026

CodexPOS — SaaS-first, multi-tenant point-of-sale platform (NestJS + React monorepo)

- Built front-end and back-end features across CodexPOS within clearly defined domain boundaries.
- Implemented role-based access control (RBAC) and multi-tenant data isolation, letting distinct retail organizations and permission levels operate securely in 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.

PROJECTS

MathMaster - Gamified Adaptive Math Learning App

Personal Project

React · TypeScript · Tailwind CSS · responsive front-end

- Applied OOAD and Modified Waterfall methodologies to architect an interactive web app that eases math anxiety through positive reinforcement.
- Built a dynamic, responsive UI that adapts in real time, scaling problem difficulty to the learner's age for personalized learning paths.
- Implemented age-aware difficulty-scaling algorithms to maintain a low-pressure learning loop, prioritizing engagement and user-centered design.

CodexPOS - Multi-Tenant SaaS POS Platform

CodexSafari

NestJS · React · monorepo · PostgreSQL

- Helped architect a SaaS-first point-of-sale system as a single monorepo with clean domain boundaries separating tenant management, access control, and subscription/billing, applying multi-tenancy, RBAC, and feature gating as core architectural patterns.

esto Solutions - All-in-One Restaurant Platform

esto.solutions

React · TypeScript · offline-first architecture · POS · real-time sync

- Engineered an all-in-one restaurant OS unifying digital QR menus, POS, kitchen display, tables, staff roles, offers, and analytics.
- Built an offline-first POS that keeps taking orders with no internet, with thermal receipt and kitchen-ticket printing and automatic cloud sync on reconnect.
- Integrated QR storefront, kitchen order routing, role-based staff access, and real-time reporting into one workflow, with tiered subscription plans per restaurant size.

Octavia Carbon - Carbon Removal Company Website

octaviacarbon.com

Next.js · React · TypeScript · headless CMS · responsive front-end

- Built a fast, image-rich corporate marketing site for a pioneering Kenyan Direct Air Capture company, turning a content-heavy brand story into a polished, responsive front-end.
- Integrated a headless CMS so non-technical staff can update partners, press coverage, and content without developer involvement.
- Implemented animated metrics, partner showcases, and accessible FAQ components, optimizing image and media delivery for performance across devices.

iano - Marketing Agency Website

iano.marketing

React · TypeScript · Tailwind CSS · UI/UX · responsive design

- Designed and built the agency front-end, leading on a brand-forward, visually distinctive UI with strong hierarchy and smooth, considered interactions.
- Crafted a fully responsive, component-based interface presenting the agency's services and work cleanly across mobile and desktop.

EDUCATION

Bachelor of Business Information Technology

Expected Aug 2026

Strathmore University, Nairobi · Jul 2023 – Aug 2026

Diploma in Business Information Technology

Completed Dec 2022

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 · IS Project