Muhammad Osama ElShamikh

Software Engineer | TypeScript · React · Next.js · Node.js · PostgreSQL
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Cairo / Giza, Egypt | Open to remote, hybrid, on-site and relocation | Military status: Completed

PROFILE SUMMARY

Software engineer building web products in TypeScript, from React, Next.js and Angular frontends to Node.js APIs and PostgreSQL. Production experience ranges from Arabic (RTL) government portals used by citizens to customer-facing features at a US SaaS company. Founded and built Vellox alone, a live competitor-intelligence SaaS: the Next.js app, the PostgreSQL data layer, a daily crawler and AI-written weekly briefs.

PROFESSIONAL EXPERIENCE

Founder & Software Engineer | Vellox [Live] (B2B SaaS, solo) — Oct 2026 – Present
- Built and launched a competitor-intelligence SaaS with Next.js 16, React 19, TypeScript and Tailwind CSS
- Built a token-based design system and reusable UI components with a dark/light theme and WCAG AA color contrast
- Shipped server-rendered public pages (a free competitor snapshot tool and company pages) with structured data for SEO
- Also built the backend: PostgreSQL with Drizzle ORM, auth, a daily crawler and AI-written weekly briefs

Software Engineer, Contract | Lispend.com (US-based SaaS, remote) — Sep 2026 – Oct 2026
- Built customer-facing features for a real-estate data platform with Next.js, TypeScript, Tailwind CSS and Supabase
- Worked on Python and Playwright data collection, and on OCR, entity-resolution and deduplication workflows

Software Engineer, Contract | Men's [GitHub] [Play Store] (e-commerce mobile app) — Sep 2025 – May 2026
- Built the seller portal, customer side and admin user management of a multi-role e-commerce app and published it on Google Play (Flutter, Riverpod)

Military Service | Egyptian Armed Forces (completed) — Jan 2025 – Mar 2026

Angular Front-End Engineer | NDM (National Data Management, government) — Jul 2024 – Jan 2025
- Built citizen-facing Angular apps for government courts and libraries with reusable components, reactive forms and REST APIs
- Led end-to-end development of a Complaints System: the public portal for citizens and the admin dashboard for staff
- Refactored data-heavy admin dashboards into reusable components, making them more responsive and easier to maintain

Freelance Software Developer | Spott (social media app) — Apr 2024 – Sep 2024
- Built real-time chat, voice and video interfaces for group conversations

Software Development Intern | Banque Misr [Certificate] — Jul 2023 – Sep 2023
- Co-built ConCurrency [GitHub], a real-time currency exchange Android app (Kotlin, Jetpack Compose, MVVM, Room)

PROJECTS

MindValley LMS Platform – Enterprise Learning Management System | Angular 21, Tailwind CSS [Live Demo]
- Built an LMS to manage instructors, students, cohorts, schedules, and attendance, using Angular 21 standalone components, Signals, and a feature-based structure
- Implemented JWT authentication, role-based access control, REST API integration, and a responsive light/dark UI with Tailwind CSS and PrimeNG

Cinefy – Movie Discovery Platform | React, TanStack Query, Framer Motion, React Router [Live Demo] [GitHub]
- Built a fast movie browser with TanStack Query caching, infinite scroll (Intersection Observer) and Framer Motion transitions

Streak.AI – AI Habit Analytics Platform | React, Node.js, Express, MongoDB, Groq AI [GitHub]
- Built a Node.js/Express + MongoDB backend with an AI Streak Recovery Engine (Groq) and a seeder that generates 90 days of realistic logs to test streak and recovery logic

Expense Tracker – Personal Finance Dashboard | MongoDB, Express, React, Node.js, Recharts [GitHub]
- Built a dashboard to track spending, budgets and trends, with bulk Excel import/export (Multer, XLSX)

EDUCATION

B.Sc. Computers and Information (Computer Science) | Faculty of Computers and AI, Fayoum University — Sep 2020 – Jul 2024
- Graduation project graded A+ (Excellent)
- Solved 300+ algorithmic problems on competitive programming platforms

TECHNICAL SKILLS

Frontend: React | Next.js | Angular (Signals, standalone components) | TypeScript | JavaScript | HTML | CSS
UI & Data: Tailwind CSS | PrimeNG | Framer Motion | TanStack Query | Reactive Forms | Responsive & accessible UI | Arabic (RTL) UI | SEO
Testing & Tools: Playwright | Git | GitHub Actions | CI/CD | Vercel | Docker | Postman
Backend & Data: Node.js | Express | REST APIs | JWT Auth | PostgreSQL | Supabase | MongoDB | Firebase
Mobile: Flutter | Riverpod | Jetpack Compose
Languages: Arabic (native) | English (professional)