

# Abdalrahman Mahmoud

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## Education

**Alexandria University** – Faculty of Computer & Data science  
BS in Computer & Data science

Expected June 2026  
CGPA – 3.76

## Experience

- Full Stack Developer, Gear verse** Sep 2025 – Nov 2025
- Built a full-stack e-commerce platform using **Next.js 16, React 19, TypeScript, tRPC, Drizzle ORM + PostgreSQL, and Zod**—implementing a complete **inventory system** with real-time stock, pricing accuracy, category management, and a flexible **product-attribute model** that supports custom input types and store-wide filtering.
  - Delivered a fully **type-safe backend** for storefront and customer flows using **tRPC, Drizzle ORM, PostgreSQL, TanStack Query, and Better Auth** (sessions, Google OAuth, RBAC), with **Sentry** for end-to-end observability—reducing runtime issues and accelerating iteration.
  - Built an operational **admin dashboard** with **Next.js Server Components, TanStack React Table, dnd-kit, and AWS S3** presigned uploads—automating catalog, inventory, media, and order workflows so non-technical staff can manage products and content independently.
- Front-end Developer, Shafei for vehicle export & import** – Alexandria Mar 2025 – Aug 2025
- Architected a **TypeScript monorepo** with **Turborepo, Next.js 15** (App Router, RSC), and **TanStack Query**, collaborating with 2 backend developers to build a **type-safe API layer** using **Zod** and optimized query hooks—cutting data-fetching errors and enabling **50+ reusable CRUD operations**.
  - Engineered an **admin portal** using **TanStack Table v8** and **Radix UI**, adding server-side pagination, sorting, filtering, and **20+ data tables** for customers, requests, bills, and inventory—plus multi-step forms (**React Hook Form + Zod**) that streamlined workflows and supported **100+ daily transactions**.
  - Implemented **internationalization** with **next-intl** for Arabic (**RTL**) and English, integrating custom fonts, bidirectional layouts, and locale-aware formatting—paired with a responsive landing page.

- Full Stack Technical Coordinator, Sputnik Academy** – Alexandria Nov 2024 – July 2025
- Led a 4-person team to deliver a full-stack e-learning platform using **React, TypeScript, Node.js, and Prisma**, integrating **Mux video streaming, Paymob payments**, and scalable content workflows—enabling Sputnik Academy to launch their first digital course marketplace and physical game-kit sales channel.
  - Engineered a **admin dashboard** with REST APIs for course, lesson, and quiz management, **S3** uploads, and real-time inventory—cutting publishing time by enabling non-technical staff to manage **100+** course materials independently.
  - Implemented a dual **shopping cart** with coupons, order management, and secure checkout using **Kinde authentication**, unifying digital enrollments and physical shipments through a single **Paymob** payment flow.

## Projects

- CaseCobra** [github.com/abdlrhmnn0x7e/casecobra](https://github.com/abdlrhmnn0x7e/casecobra)  
CaseCobra is a fully custom, end-to-end e-commerce platform for personalized phone cases. It lets customers design their own cases—uploading images, adjusting layout, and previewing changes in real time—while the admin receives the exact finalized configuration, ready for fulfillment. The project showcases a delightful storefront and a secure backend.

## Skills

**Languages:** TypeScript, JavaScript, Python, Java, Go, SQL

**Frontend:** React, Next.js, SvelteKit, Tailwind CSS, Radix UI, Shadcn UI, Tanstack Query, Tanstack Router, Tanstack Table, Tanstack Virtuale, Tanstack Start, Apollo Client, React Hook Form, Next-intl (i18n)

**Backend:** Node.js, Bun, tRPC, Nestjs, Hono, Express.js, Prisma, Drizzle, Better Auth, GraphQL, Date-fns, Zod

**Cloud/Services:** AWS S3, Mux Video, Clerk Auth, Kinde Auth, Paymob Payments, Stripe, Vercel

**Tools:** Turborepo, Vite, Pnpm, Git, Github, Neovim, Tmux, Cursor