

MOHAMED ABDELHAFIZ

FULL-STACK DEVELOPER

React | Next.js | TypeScript | Node.js | Express

Benha, Egypt — +20 101 732 0178 — mohamed.abdelhafiz.dev@gmail.com — github.com/mohammed-abdelhafiz

— linkedin.com/in/mohamed-abdelhafiz-dev — mohamed-abdelhafiz.vercel.app

SUMMARY

Full-Stack Developer specializing in React, Next.js, TypeScript, and Node.js. Built production-style apps including a Stripe-integrated e-commerce platform and a social platform, and led frontend development on CollabSpace, a multi-platform 3D collaboration graduation project.

PROJECTS

CollabSpace — Browser-Based 3D Virtual Collaboration Platform (Graduation Project) *Live | GitHub*
Next.js (App Router), TypeScript, shadcn/ui, TanStack Query, Zustand, SignalR, Axios, nuqs, Framer Motion

- Built the Next.js frontend for a multi-platform system integrating Unity WebGL 3D, a Flutter mobile app, and a .NET 8 + SignalR + PostgreSQL backend.
- Implemented real-time chat and notifications using a singleton SignalR client shared across the app for consistent WebSocket connection handling.

MoCommerce — Full-Stack E-Commerce System *Live | Frontend | Backend*
Next.js, React, Node.js, Express 5, MongoDB, Mongoose, TypeScript, Stripe, Redis, TanStack Query, Zustand

- Built a full-stack e-commerce system with JWT authentication, Stripe payment integration, and Redis caching for cart and session data to avoid re-querying the database on every cart read.
- Structured the storefront's data fetching around Next.js App Router Server Components to eliminate client-side waterfalls and keep the checkout flow's critical path fast on first load.

Postinger — Full-Stack Social Media Platform *Live | Frontend | Backend*
Next.js, React, TypeScript, Node.js, Express, MongoDB, Mongoose, JWT, TanStack Query

- Built a full-stack social media platform with posts, comments, likes, a follow system, and JWT-based authentication.
- Replaced manual refetching with TanStack Query v5 caching and background refetch, and added optimistic UI updates for likes and comments so actions feel instant instead of waiting on a round-trip.

Blogin — Full-Stack Blog Platform *Live | GitHub*
Next.js, React, TypeScript, Tailwind CSS, Shadcn/ui, Convex

- Built an SSR/SSG blog platform with Next.js, focused on SEO-friendly rendering and fast load times.
- Integrated Convex as a real-time backend so content updates appear live without a manual refresh.

WORK EXPERIENCE

Full Stack Developer Trainee — NTI (Ministry of Communications) *Jun 2025 – Sep 2025*
180-hour MEAN Stack Program | Score: 85% | Certificate

- Completed a 180-hour MEAN Stack training program covering full-stack development fundamentals, REST API design, and Agile practices.
- Contributed to a team-based group project, gaining hands-on exposure to collaborative development workflows and version control.

SKILLS

Languages *JavaScript, TypeScript*

Frontend *React.js, Next.js, HTML5, CSS3, Tailwind CSS, Framer Motion, Responsive Design*

Backend & Real-Time *Node.js, Express.js, REST API Design, SignalR, WebSockets, JWT, Cookies, Authentication & Authorization*

Database & Caching *MongoDB, Mongoose, PostgreSQL, Redis*

State & Data *TanStack Query, Zustand, nuqs*

Payments & Tools *Stripe, Git, GitHub, Docker, Postman, VS Code*

Other *System Design Fundamentals, Agile/Scrum, Proxy & Singleton Patterns, published CLI tool on npm (12+ weekly downloads)*

EDUCATION

Faculty of Computers and Artificial Intelligence, Benha University *2022 – 2026*
Bachelor of Computer Science | GPA: 3.3 / 4.0 | Data Structures, OOP, DBMS, Computer Networks, Software Engineering