

# Mohamed Elmshaly

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## Portfolio

### Summary

Enthusiastic Junior Front-End Developer with hands-on experience in React and Next.js through personal and professional projects. Passionate about building responsive, user-friendly web applications using modern JavaScript frameworks. A quick learner with strong problem-solving and animation skills, with great attention to detail.

### EDUCATION

<b>Tanta University</b> <i>Bachelor of Business Administration</i>	Egypt, Tanta 2021 –2025
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### Courses & Certificates

#### **CS50: Introduction to Computer Science**

*By Harvard University*

#### **Learn modern HTML5, CSS3 and web design**

*By Jonas Schmedtmann*

#### **The Complete JavaScript Course 2024: From Zero to Expert!**

*By Jonas Schmedtmann*

#### **The Ultimate React Course 2025: React, Next.js, Redux & More**

*By Jonas Schmedtmann*

### PROJECTS

#### **Shopper E-commerce Application** / [Live Demo](#) / [GitHub](#)

Oct 2025 – December 2025

- **Core Architecture:** Built a scalable web application using Next.js 15 App Router, TypeScript, and React 19.
- **CMS Integration:** Leveraged Sanity.io to manage real-time product data, categories, and blog content.
- **Payments & Auth:** Implemented secure checkout flows with Stripe and user authentication/management via Clerk. Used Celery and Redis for asynchronous tasks
- **UI/UX:** Designed a pixel-perfect, accessible interface using Tailwind CSS v4, Radix UI, and Framer Motion for enhanced user engagement.
- **State Management:** Utilized Zustand for efficient handling of shopping cart and wishlist states across the application.

#### **Get Better – Personal Growth & Portfolio Platform** / [Live Demo](#) / [GitHub](#)

December 2025 – present

- **Core Architecture:** Built a full-stack web application using Next.js 16 App Router, TypeScript, and React 19 with Partial Prerendering (PPR) for optimized performance.
- **Database & ORM:** Integrated MongoDB with Prisma ORM for seamless data management of projects and books, utilizing Server Components and Suspense boundaries for efficient data fetching.
- **Authentication:** Implemented secure user authentication via NextAuth.js with Google OAuth integration for streamlined sign-in experience.
- **UI/UX:** Designed a dynamic, accessible interface using Tailwind CSS v4, Radix UI primitives, and GSAP/Framer Motion for rich, animated user experiences.
- **Features:** Developed category-based filtering, lazy-loaded content, and interactive book/project management with full CRUD operations via Server Actions.
- **Testing:** Configured automated testing with Jest and React Testing Library to ensure code reliability.

#### **Instrument Studio -- Creative Agency Portfolio** / [Live Demo](#) / [GitHub](#)

December 2025 – Present

Designed and engineered a dynamic portfolio platform for "Instrument Studio," a creative agency specializing in branding and digital experiences.

- **Architecture:** Leveraged Next.js 16 (App Router) and React 19 for a robust, server-rendered foundation.

- **UI/UX:** Implemented a custom design system using Tailwind CSS 4, featuring a dark-themed, high-contrast aesthetic with custom typography.
- **Interactions** Integrated Framer Motion for scroll-triggered entrance animations and hover effects, alongside Lenis for momentum-based smooth scrolling, creating a fluid narrative experience.
- **UI/UX:** Designed a pixel-perfect, accessible interface using Tailwind CSS v4, Radix UI, and Framer Motion for enhanced user engagement.
- **Content:** Showcased diverse projects (Web3, Mobile Apps, Merchandise) through responsive grid layouts and optimized media assets.

#### **The Wild Oasis -- Dashboard Hotel Management Application** / [GitHub](#)

Aug 2025 – Sep 2025

- Developed a feature-rich SPA for hotel administration using React and Vite
- Integrated MongoDB as the primary database to store and manage complex relational data including cabins, bookings, and application settings, ensuring high availability and data consistency.
- Utilized React Query for efficient server state management, caching, and optimistic UI updates to minimize latency.
- Designed a responsive and accessible UI with Styled Components, featuring a dynamic dark/light mode and interactive dashboard charts.

#### **My-Blogs -- Personal Content Management System** / [GitHub](#)

Sep 2025 – December 2025

- **Core Stack:** Utilized Next.js 15 for high-performance server-side rendering and routing.
- **Content Creation:** Integrated React Quill to provide a full-featured rich text editing experience for writing blog posts.
- **Data Layer:** Implemented Prisma ORM for type-safe database interactions and efficient schema management.
- **Security:** Secured the application with NextAuth.js v5, ensuring protected routes and safe user sessions.

- **Styling:** Crafted a responsive design using CSS Modules, ensuring a consistent experience across devices.

### TECHNICAL SKILLS

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- **Front-End:** React.js, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Styled Components, Sass.
- **State Management:** Redux Toolkit, Zustand, React Context API.
- **Testing:** Jest, React Testing Library.
- **Animations:** Motion (Framer Motion), Lenis, GSAP.
- **Back-End:** MongoDB, currently learning Node.js (Hono, Express), Supabase.
- **Tools & Libraries:** REST APIs, Prisma, react-hook-form, Formik, Zod, Shadcn, MUI, VS Code, Cursor, Antigravity.
- **Version Control:** Git, GitHub