

Mohamed Elmshaly

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Portfolio

Summary

Frontend Developer with hands-on experience building responsive, user-focused web applications using modern JavaScript frameworks. Proficient in React 19, Next.js 15/16, and TypeScript with a strong foundation in component architecture, state management, and performance optimization. Passionate about creating accessible, well-tested applications with attention to detail and code quality. Quick learner with problem-solving abilities and experience integrating third-party services including authentication, payments, and headless CMS platforms.

EDUCATION

Tanta University

Bachelor of Business Administration

Egypt, Tanta

2021 –2025

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 Full-Stack E-commerce Application / [Live Demo](#) / [GitHub](#)

Oct 2025 –

December 2025

- **Problem:** Built a scalable e-commerce solution with real-time product management, secure payments, and user authentication
- **Solution:** Architected with Next.js 15 App Router, TypeScript, and React 19. Integrated Sanity.io headless CMS for real-time product data management. Implemented Stripe for secure checkout and Clerk for authentication
- **Features:** Efficient shopping cart and wishlist state management with Zustand, responsive design with Tailwind CSS v4, accessible UI components using Radix UI, smooth animations with Framer Motion
- **Tech Stack:** Next.js 15, React 19, TypeScript, Sanity.io, Stripe, Clerk, Zustand, Tailwind CSS v4, Radix UI, Framer Motion

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

December 2025 – present

- **Problem:** Built a full-stack platform for personal growth tracking with project and book management, addressing the need for organized self-improvement documentation
- **Solution:** Developed using Next.js 16 with App Router, React 19 with Partial Prerendering (PPR), and MongoDB with Prisma ORM for type-safe data operations. Implemented Google OAuth via NextAuth.js for secure authentication
- **Features:** Category-based filtering, lazy-loaded content, interactive book/project management with full CRUD operations via Server Actions, rich animations using GSAP and Framer Motion
- **Tech Stack:** Next.js 16, React 19, TypeScript, MongoDB, Prisma, NextAuth.js, Tailwind CSS v4, Radix UI, GSAP, Framer Motion, Jest, React Testing Library

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

December 2025 – Present

- **Problem:** Designed a showcase platform for a creative agency specializing in branding and digital experiences, requiring a highly interactive and visually engaging interface
- **Solution:** Leveraged Next.js 16 App Router and React 19 for server-rendered foundation. Implemented custom dark-themed design system with Tailwind CSS 4 featuring high-contrast aesthetic
- **Features:** Scroll-triggered entrance animations and hover effects with Framer Motion, momentum-based smooth scrolling with Lenis, responsive grid layouts showcasing diverse projects (Web3, Mobile Apps, Merchandise)
- **Tech Stack:** Next.js 16, React 19, TypeScript, Tailwind CSS v4, Framer Motion, Lenis, Radix UI

My-Blogs -- Content Management System | [GitHub](#)

Sep 2025 – December 2025

- **Problem:** Created a personal CMS for managing blog posts with rich text editing capabilities and secure authentication
- **Solution:** Utilized Next.js 15 for high-performance server-side rendering. Integrated React Quill for full-featured rich text editing. Implemented Prisma ORM for type-safe database interactions
- **Features:** Secure authentication with NextAuth.js v5, protected routes and safe user sessions, responsive design with CSS Modules
- **Tech Stack:** Next.js 15, React, TypeScript, Prisma, NextAuth.js v5, React Quill, CSS Modules

Additional Projects

- **The Wild Oasis (Course Capstone - Extended) | [GitHub](#)** : Hotel management dashboard built as final project for Jonas Schmedtmann's React course. Features: SPA with React and Vite, MongoDB for complex relational data, React Query for server state management, responsive UI with Styled Components and dark/light mode

TECHNICAL SKILLS

Frontend: React.js, Next.js 15/16, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Styled Components, Sass

State Management: Redux Toolkit, Zustand, React Context API, React Query

Backend: Node.js (learning), MongoDB, Prisma ORM, REST APIs, NextAuth.js, Clerk

Testing: Jest, React Testing Library

Animation: Framer Motion, GSAP, Lenis

Tools & Services: Git/GitHub, VS Code, Cursor, Sanity CMS, Stripe, Vercel, Docker (basic)