

MUSTAFA MELAKE

Full Stack Engineer | Next.js & Modern Web Specialist | 📍 Menofia , Egypt |

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🌐 [Portfolio Link](#) | 🐙 [Github](#) | 🔗 [Linked in](#)

PROFESSIONAL SUMMARY

Results-driven Full Stack Engineer with 2+ years of experience architecting scalable, high-performance web applications using the MERN stack and Next.js 16. Adept at designing secure authentication flows, managing robust database architectures, and optimizing Core Web Vitals to deliver seamless, high-end user experiences.

TECHNICAL ARSENAL

- **Frontend: React 19, Next.js 16 (App Router), TypeScript, Tailwind CSS v4, Framer Motion**
- **Backend & Auth: Node.js, Express, Better Auth (OAuth 2.0), JWT, Zod.**
- **Databases & ORM: Prisma, PostgreSQL (Neon), MongoDB , Mongoose.**
- **Cloud & Tools: Vercel, Docker, Git, Postman, UploadThing, dnd-kit .**
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KEY PROJECTS

Rose Misk Store (E-Commerce) | [Live Demo](#) | [GitHub](#) **Next.js 16, TypeScript, Prisma, Tailwind CSS v4**

- **Full-Cycle Development:** Engineered a high-end fragrance e-commerce platform from scratch, prioritizing a premium UI/UX and a seamless, high-conversion user journey.
- **Performance Optimization:** Achieved an exceptional **98/100 Lighthouse performance score** by implementing advanced Next.js features, including server-side rendering (SSR), image optimization, and strategic dynamic imports.
- **Type-Safe Architecture:** Architected a robust data layer using **Prisma ORM** ensuring end-to-end type safety and scalable content management for 1,000+ SKU inventory.

- **Secure Authentication:** Integrated **Better Auth** for multi-provider OAuth (Google & Facebook), handling secure session management and custom user role permissions.
- **Advanced Styling:** Developed a responsive, pixel-perfect interface using **Tailwind CSS v4**, focusing on fluid layouts and modern aesthetics without compromising on bundle size or load times.

Modern Blog System | Next.js 16, Prisma, PostgreSQL, Better Auth| [Live Demo](#) | [GitHub](#)

- Engineered a high-performance blogging platform with Server-Side Rendering (SSR) and Edge Data fetching.
- Implemented a robust authentication system using Better Auth, supporting both Email/Password and Social Login (GitHub/Google).
- Architected a scalable relational database schema using Prisma ORM and Neon PostgreSQL.
- Integrated Shadcn UI and Tailwind CSS v4 for a cutting-edge, responsive dark/light mode interface.

Job Application Tracker | Next.js, MongoDB, Express, dnd-kit, Tailwind

- Engineered a high-performance dashboard for managing job search pipelines using an interactive **Drag-and-Drop** interface.
- Integrated secure JWT-based authentication and real-time state persistence.
- Optimized data fetching using Next.js Server Components, resulting in a 30% faster initial load time.

MERN E-Commerce Platform | MongoDB, Express, React, Node.js

- Built a full-scale commerce engine with dynamic product filtering, shopping cart logic, and user account management.
- Developed a custom REST API to handle high-frequency database queries with optimized Mongoose schemas.

EXPERIENCE

Full Stack Developer (Independent Contractor / Freelance) | 2024 – Present

- **Business-to-Technical Translation:** Translated complex business requirements into scalable technical architectures for international clients, ensuring alignment between product vision and code execution.

- **Development Efficiency:** Reduced project delivery time by 20% by architecting a highly reusable component library and custom hooks, streamlining the development of 5+ full-stack applications.
 - **End-to-End Delivery:** Managed the full software development life cycle (SDLC) from initial database schema design (Prisma/PostgreSQL) to seamless deployment on Vercel/Docker.
 - **Client Consultation:** Collaborated with cross-functional stakeholders to define technical roadmaps, resulting in 100% on-time delivery for high-performance e-commerce and dashboard solutions.
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EDUCATION & SPECIALIZED TRAINING

The Complete Backend Development Bootcamp | [View Certificate](#)

- **Core Focus:** Scalable Server-Side Logic, RESTful API Architecture, and Secure Middleware Implementation.
- **Database Engineering:** Proficient in modeling relational data with PostgreSQL/Prisma and NoSQL solutions with MongoDB/Mongoose.
- **Security & Auth:** Expert implementation of Better Auth (OAuth 2.0), JWT session management, and multi-provider social logins.

Professional Development & Technical Specialization (Self-Directed)

- **Modern Frontend:** Specialized in Next.js 16 (App Router) and React 19, focusing on Server Components and performance-driven UI/UX.
 - **Operational Excellence:** Implemented advanced schema validation using Zod and robust error-handling middleware to ensure production-level reliability.
 - **Continuous Learning:** Synthesized advanced concepts from industry-leading documentation and engineering deep-dives to master the latest web standards (Tailwind v4, Shadcn UI).
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LANGUAGES

- **Arabic:** Native
- **English:** Professional Working Proficiency

