

Mahmoud Mohamed

Frontend Engineer

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🔗 Portfolio  LinkedIn  GitHub

Summary

Frontend Engineer with 3 years of professional experience specializing in building scalable, high-performance web applications using React.js, Next.js, and TypeScript. Proven track record in the e-commerce and telecom sectors, with strong proficiency in Full-Stack development (Node.js, Express, MongoDB). Expert in converting complex Figma designs into pixel-perfect code and optimizing development workflows through AI tools and modern CI/CD practices.

Experience

Frontend Engineer, LAUNCH WORKZ  11/2023 – Present

As a Frontend Engineer at LAUNCH WORKZ i am responsible for: Remotely

- *Developed and transformed 100% of complex Figma designs into pixel-perfect, responsive web applications using React.js and Next.js.*
- *Collaborated with backend teams to integrate RESTful APIs, ensuring seamless data flow and reducing integration bugs through proactive testing.*
- *Optimized cross-browser compatibility to ensure a consistent user experience across all modern browsers and devices.*
- *Identified and resolved critical edge cases in product features, partnering with cross-functional teams to maintain high product quality and prevent production issues.*
- *Enhanced development workflows by integrating AI tools, significantly increasing coding efficiency and project delivery speed.*

Education

Bachelor's Degree in Computers and Artificial Intelligence, 2019 – 2023

SOHAG UNIVERSITY - (IT department)

- Department: Information Technology
- Grade: Very Good

Recent Projects

Rental Marketplace Web App (US)  11/2023 – Present

In this project, I worked on achieving the following points:

- Architected a scalable frontend using React and Redux Toolkit, implementing Redux Persist to ensure seamless state management and data persistence across user sessions.
- Integrated complex third-party APIs, including Google Maps for location-based item searches and Stripe for secure, end-to-end payment processing.
- Enhanced accessibility and global reach by implementing multi-language support with i18next and robust authentication via Google OAuth.
- Optimized user interface performance by implementing infinite scroll, lazy loading for images, and Sentry for proactive error monitoring and debugging

Full-Stack Portfolio & CMS Dashboard [↗](#)

2025 – 2025

- Developed a full-stack personal ecosystem using Next.js for the frontend and a Node.js/MongoDB backend to manage content dynamically via a custom dashboard.
- Implemented secure authentication and authorization using JWT (JSON Web Tokens) and bcryptjs, ensuring protected access to the CMS.
- Engineered dynamic UI/UX features with Framer Motion for animations and Zod with React Hook Form for rigorous client-side schema validation.
- Maintained high code quality standards by integrating Husky pre-commit hooks and Sentry for real-time production error tracking

Real-Time World Chat Application [↗](#)

2025 – 2025

- Engineered a high-performance, Full-Stack chat platform leveraging Socket.io and WebSockets to deliver seamless real-time communication, including instant messaging and live typing indicators.
- Architected a robust Backend using Node.js and Express.js, implementing Mongoose for sophisticated data modeling and schema management in MongoDB.
- Leveraged Next.js 16 cutting-edge features on the frontend, specifically Server Actions and useActionState, to handle form logic and server communication with Zod for schema validation.
- Implemented real-time presence tracking to manage and display online/offline user statuses, ensuring a dynamic and interactive user experience.
- Optimized data flow and synchronization between the client and server, showcasing expertise in building scalable, real-time architectures and efficient data handling

Modern Full-Stack E-commerce Platform [↗](#)

2024 – 2024

- **Architected a high-performance e-commerce solution** using **Next.js 14**, leveraging **Server Components** and **App Router** for optimized rendering and SEO.
- **Integrated a secure Checkout system** with **Stripe**, managing real-time payment processing and webhooks for order confirmation.
- **Developed a robust product management system** with **MongoDB** and **Mongoose**, enabling efficient data retrieval and inventory tracking.
- **Implemented advanced state management** and UI feedback using **Zustand** and **React-Toastify**, ensuring a smooth and responsive shopping experience.
- **Optimized core web vitals** through image optimization, lazy loading, and code splitting, resulting in fast load times and improved user retention.

Skills & abilities

TECHNICAL SKILLS — Proficient

- **Frontend Development:** HTML/HTML5, CSS/CSS3, SASS, JavaScript (ES6+), TypeScript, React.js, Next.js (including Server Actions & useActionState).
- **Back-End Basics:** Node.js, Express.js, MongoDB, Mongoose, REST APIs, WebSockets (Socket.io).
- **State Management:** Redux, Redux Toolkit, Redux Persist, Zustand, Context API, React Query.
- **Styling & UI Components:** Tailwind CSS, Material-UI (MUI), Bootstrap, DaisyUI, Framer Motion (Animations), Swiper.
- **Form Handling & Validation:** Zod, React-Hook-Form, Formik, Yup.
- **Development Tools & Security:** Git, GitHub, Stripe (Payments), Google OAuth, JWT (jsonwebtoken), bcryptjs, Multer, Dotenv, CORS.
- **Optimization & Quality Assurance:** Sentry (Error Monitoring), Husky & Pre-commit hooks, Lighthouse, Code Splitting, Lazy Loading.
- **Deployment & Integration:** Vercel, Netlify, CI/CD pipelines, i18next (Multi-language), Google Maps API

Soft Skills — Proficient

- **Strategic:** Problem-Solving, Strategic Planning, Decision-Making, Quick Learning.
- **Collaborative:** Effective Communication, Team Collaboration, Conflict Resolution, Adaptability.
- **Creative:** Innovation, Time Management, Leadership

Languages

Arabic — Native/Bilingual

Arabic: Native/Bilingual.

English: Proficient (Workplace ready).

English — Proficient