

# Ahmed AbdElgwad Hassan

## Frontend Developer | React.js, Next.js

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### Professional Summary :-

Frontend Developer with 2+ years of experience specializing in Next.js, React.js, and TypeScript. Proven expertise in architecting scalable, bilingual (AR/EN) web platforms, including complex booking engines and e-commerce systems. Adept at implementing fault-tolerant JWT authentication flows, advanced state management, and integrating third-party APIs such as AI models (Google Gemini) and interactive maps. Demonstrated ability to deliver high-performance, secure, and user-centric applications.

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### Skills:-

**Core Technologies:** Next.js , React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3.

**Authentication & Security:** JWT , OTP Authentication , Clerk, Kinde , Firebase Auth

**API & Integrations:** Axios , RESTful APIs, Google Gemini AI, Open Router API , i18next , Leaflet, MapLibre

**Styling & UI Components:** Tailwind CSS, Bootstrap 5, shadcn/ui,.

**State Management:** React Context API.

**Tools & Testing:** Vite, React Router DOM, Git & GitHub, NPM, Postman

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### Work Experience

**Frontend Developer** | H2M - Cairo, Egypt (On-site) | June 2024 - June 2025

Developed reusable UI components with React.js, Tailwind CSS, and Context API.

Built an AI-integrated chatbot with Google Gemini for real-time user interaction.

Reduced page load time by 25% and improved accessibility across 5+ projects.

**Frontend Developer (Freelance)** | May 2024 - Present

Delivered scalable web apps for 4+ clients using React.js, Next.js, and modern UI/UX practices.

Integrated real-time data with RESTful APIs and implemented secure authentication (Firebase , Clerk, Kinde).

Applied performance optimization (lazy loading, code splitting), improving speed by 20–30%.

## Projects:

### EGIV — Gaming Rooms & Entertainment Booking Platform

**Tech Stack** Next.js 16 · TypeScript · Tailwind CSS · OpenRouter AI · JWT · i18next - shadcn/ui

#### Key Contributions:

Architected a multi-step booking engine with wallet payments and tax automation, backed by a 10+ module API.

Engineered an AI tool (Open Router /Gemini) analyzing room images to generate localized architectural design recommendations.

Implemented fault-tolerant authentication with proactive JWT refreshing via Axios, ensuring uninterrupted user sessions.

Developed a fully localized bilingual interface (AR/EN) with dynamic RTL/LTR layout switching.

Integrated Leaflet maps for precise deliveries and automated QR codes for secure booking confirmations.

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### AI-Watanya — Bilingual E-Commerce & Wholesale Platform

**Tech Stack:** Next.js 16 · TypeScript · Tailwind CSS · React Context · Axios · Leaflet- JWT - i18next - shadcn/ui

#### Key Contributions:

Architected a dynamic cart and multi-step checkout system with wallet payments and real-time fee calculations.

Implemented secure OTP authentication featuring proactive JWT refreshing via Axios to ensure uninterrupted sessions.

Engineered a scalable multi-context state system optimizing cart management and dynamic RTL/LTR layout switching.

Developed a specialized wholesale onboarding flow with secure document uploads utilizing FormData API requests.

Integrated Leaflet mapping for precise user geolocation and efficient location-based delivery address management.

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### Beyond Square — Bilingual Workspace Booking & Rental Platform

**Tech Stack** Next.js 16 · TypeScript · Tailwind CSS · MapLibre GL · JWT · i18next - shadcn/ui

#### Key Contributions:

Architected a multi-step booking system managing hourly/daily rentals, automated taxes, and wallet payments.

Implemented proactive JWT refreshing with request queuing, ensuring uninterrupted server-client sessions.

Integrated MapLibre GL for an interactive workspace discovery map featuring localized markers and smart bounds.

Engineered a real-time chat interface and a dynamic reservations dashboard with server-side data filtering.

Developed a fully localized bilingual interface (Arabic/English) with persistent RTL/LTR layout switching.

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## Education :

**Front-End Web Development Diploma** SEF (Software Engineering Future)

Completed Jan 2024 – Duration: 4 months – Score: 94.64%

Frontend Internship Certificate – SEF (Software Engineering Future) *Completed Oct 2024*

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**Languages** Arabic: Native English: Good