

Mohamed Magdy

Front-end Developer

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Education

2022 – present **Bachelor of science "Math & CS"**
Suez, Egypt

Skills

Html	Css
JavaScript	Tailwind Css
React.js	TypeScript
next.js	React Native
Node.js	

Projects

Academy Mobile App (Exams & Courses Platform)

- React Native + TypeScript – Cross-platform mobile application
- Zustand – Lightweight global state management
- MMKV – High-performance local storage (language, tokens, preferences)
- React Query – Server state management, caching & synchronization
- Authentication – Secure login & session persistence
- Exams System – Timed exams, progress tracking, history
- Courses & Content Management – Dynamic content rendering

E-Commerce Backend System

- Node.js – Scalable backend architecture
- RESTful APIs – Products, categories, cart, orders, users, authentication
- Database – MongoDB with optimized schema & relations
- Authentication & Authorization – JWT-based secure access
- Admin Dashboard APIs – Product management, order status updates
- Error Handling & Validation – Centralized middleware approach

Smartwatches store ☑

- **React.js**: The core library for building the user interface.
- **Material-UI (MUI)**: A popular React UI framework used for building responsive and modern UI components.
- **Redux Toolkit (RTK)**: Used for state management, handling features like adding to favorites and comparisons.
- **React-Router-Dom**: For managing navigation between different screens within the application.
- **localStorage**: For persisting the user's favorites and comparison selections across sessions.

Expenses Tracker App with React Native ☑

- **React Native**: Frontend framework for building mobile apps using JavaScript and React.
- **Firebase Authentication**: Secure user authentication and authorization provided by Firebase.
- **Firebase Realtime Database**: Store and sync expense data in real-time with Firebase Realtime Database.
- **React Context**: Context API for state management and sharing data across React components.
- **AsyncStorage**: AsyncStorage API for storing user data locally on the device.

Food Recipes App with React Native [↗](#)

Landing Page With Tailwind [↗](#)

Experience

- Built modern, responsive web and mobile applications using HTML5, CSS3, JavaScript, React.js, and React Native, ensuring cross-browser and cross-platform compatibility.
- Implemented secure authentication flows using Firebase Authentication (email/password), with proper session handling and protected routes.
- Consumed and integrated RESTful APIs and handled loading, error, and success states across the application lifecycle.
- Integrated high-performance local storage solutions such as MMKV and AsyncStorage for persisting user preferences, tokens, and app settings.
- Managed complex application state using Redux Toolkit, Zustand, and React Query, ensuring efficient data flow, caching, and synchronization.
- Styled and designed applications using Tailwind CSS and Material-UI (MUI), focusing on clean UI, usability, and performance.