

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.