

Khaled Mahmoud

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SUMMARY

Frontend Developer focused on building and debugging web applications using React.js, Next.js, and TypeScript. Experienced in diagnosing UI and state issues, integrating APIs, and making practical tradeoffs to deliver stable and maintainable features.

EDUCATION

Modern Academy for Computer Science and Information Systems Cairo, Egypt
Bachelor of Science in Computer Science Expected Graduation: June 2026

EXPERIENCE

Frontend Developer — Independent Projects Mar 2024 – Present

- Built and maintained React and Next.js applications with focus on stable UI behavior and predictable state management
- Investigated and resolved UI issues including unnecessary re-renders, stale API data, and inconsistent state updates using Chrome DevTools
- Reduced rendering inefficiencies by restructuring component hierarchy and optimizing Redux state updates
- Integrated REST APIs and improved UI reliability by handling loading, error, and edge-case states across features
- Identified performance bottlenecks in component rendering and improved update efficiency through better state isolation
- Made implementation decisions under constraints, balancing speed of delivery with maintainability and scalability

PROJECTS

Rescufy – Smart Emergency Management Platform 2025 *React.js, TypeScript, Redux Toolkit, Tailwind CSS*

- Built multi-role dashboards (Admin, Hospital, Ambulance) with role-based access control and centralized state management
- Implemented real-time communication using SignalR and handled synchronization between live events and API responses
- Managed complex data flow across roles and resolved state inconsistencies between views
- Implemented authentication flows with handling for invalid and expired tokens

Social Media Web Application 2026 *React.js, TypeScript, Redux Toolkit, Tailwind CSS*

- Built posts and comments system with centralized state management across interactions
- Reduced unnecessary re-renders by optimizing component structure and Redux slice updates
- Improved UI consistency through proper handling of async loading, error, and empty states

E-Commerce Web Application 2026 *Next.js, TypeScript, Redux Toolkit, Tailwind CSS*

- Developed product listing and cart system using modular component architecture
- Managed client-side state for cart interactions and resolved UI inconsistencies caused by asynchronous updates
- Structured routing and logic to maintain predictable application behavior

SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C++

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

State & Data: Redux Toolkit, Context API

Forms: React Hook Form, Formik, Yup, Zod

Web: REST APIs, Authentication, Error Handling, State Management, Accessibility

Tools: Git, GitHub, Chrome DevTools, VS Code