OMAR YASSER SHAWKY

Full Stack Developer

CONTACT

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Portfolio: [Omar Yasser Portfolio](#)

SUMMARY

Full-Stack Web Developer with strong expertise in React.js, Node.js, TypeScript, and PostgreSQL. Skilled in building responsive, high-performance web applications with secure authentication, scalable architecture, and optimized user experience. Experienced in state management (Zustand, React Query, Redux), performance optimization (lazy loading, caching), and accessibility. Proven leadership as a team lead in full-stack projects and teaching experience as a web development instructor.

EXPERIENCE

Team Lead – MERN-Stack Internship (Depi)
Directed a development team for a full-stack project.
Oversaw performance optimization, debugging, and adherence to clean code principles.
Full Stack Instructor – CFA Academy (06/2025)
Delivered training on HTML, CSS, JavaScript, React.js, and Node.js.
Guided students in building and deploying complete projects.

SKILLS & TECHNOLOGIES

Frontend Web:
React.js, Redux (learning), Tailwind CSS, Bootstrap, JavaScript (ES6+), TypeScript, React Query, Zustand, Next.js
Backend:
Node.js, Express.js, PostgreSQL, REST APIs, Passport.js, JWT Authentication
Mobile Development:
React Native (JS/TS), Expo, NativeWind, SecureStore, React Query, Zustand, AsyncStorage
Other Skills:
Performance optimization, debugging, OOP, data structures & algorithms, Git & GitHub, UI/UX basics, accessibility

PROJECTS

Task Management App – MERN Stack (Depi Internship) | [GitHub Repo](#)
- A collaborative web application for managing projects, tasks, and todos.
- Frontend: React.js, Zustand, React Query, Tailwind CSS.
- Backend: Node.js, Express.js, MongoDB, JWT authentication with HTTP-only cookies.
- Role: Team Lead – coordinated development, implemented frontend architecture, ensured secure API integration.
- Highlights: Real-time task updates, role-based access control, scalable code organization.

PROJECTS

🎬 **Movie App – React Native with Authentication | GitHub Repo**

- A cross-platform mobile application for discovering, saving, and organizing movies with a modern dark-themed UI.
- Features: Movie browsing, search/filter, favorites, custom collections, detailed movie info.
- Auth System: Secure registration/login, password reset, protected routes, session persistence.
- Secure Data: Refactored authentication flow to use SecureStore for sensitive data storage.
- Tech Stack: React Native, Expo, TypeScript, Expo Router, Zustand, React Query, NativeWind.
- Highlights: Scalable folder structure, smooth animations, accessibility support.

Secrets – Authentication Training Project

- Built a secure app with local and Google OAuth strategies using Passport.js, PostgreSQL, and bcrypt for encrypted authentication and session handling.

CERTIFICATES

- **React Native Development – Self-learning through hands-on projects**
- **The Complete Full-Stack Web Development Bootcamp – Udemy, Dr. Angela Yu (2024)**
- **MERN Stack Web Development – Depi Internship (2024–2025)**

EDUCATION

Thebes Academy

B.Sc. in Computer Science