

Sherif Khodeir

Frontend Engineer (React)

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SUMMARY

Frontend Engineer specializing in React and TypeScript, building reliable, scalable interfaces for complex, data-heavy workflows. Experienced translating ambiguous business logic — including rule-driven, multi-step flows — into clean, maintainable systems that reduce user friction and support long-term product growth. Comfortable owning features end-to-end: from architecture decisions to shipped, production-ready UI.

SKILLS

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

Backend & Data: REST APIs, API integration, Node.js, MongoDB, SQL, NoSQL, Firebase, Supabase, Authentication

Frontend Engineering: Component-driven architecture, Advanced state management, Zustand, TanStack Query, Responsive design, Accessibility (WCAG), Cross-browser compatibility, Performance optimization, Custom UI libraries

AI-Assisted Development: Cursor, Claude, Codex — used for scaffolding, refactoring, and accelerating architecture exploration

Dev & Collaboration: Git, GitHub, NPM, Webpack, Agile workflows, Figma collaboration, Documentation, Code reviews

EXPERIENCE

Frontend & UX Engineer | Modern Intelligence Solutions (MIS)

Nov 2024 – Present

- Own frontend development end-to-end for production applications built from the ground up, with a strong focus on code quality, performance, and long-term maintainability.
- Designed and implemented a rule-driven questionnaire engine for a complex assessment workflow, dynamically filtering 443 potential questions down to only relevant ones based on context and prior answers — reducing user fatigue and improving completion reliability.
- Architected a configuration-driven, multi-view dashboard platform where declarative page schemas define filters, URL/query contracts, and display behavior — enabling multiple product variants from one reusable kit and cutting feature delivery time by ~60%.
- Adapted across data layers as project needs evolved — from NoSQL to Firebase to Supabase — reflecting comfort picking up new backend/infra tools quickly rather than staying locked to one stack.
- Collaborate closely with designers, backend engineers, and leadership to translate initial designs into scalable, production-ready UI, and align design intent with backend requirements for smooth handovers.

Independent Full-Stack Web Developer

Nov 2023 – Dec 2024

- Built complete full-stack applications from concept to deployment, independently planning, implementing, debugging, and iterating.
- Expanded across vanilla JS, jQuery, React, and Next.js to understand architectural trade-offs and choose technologies based on project needs rather than familiarity.
- Designed backend services, REST APIs, and SQL/NoSQL database models to support real-world application workflows, focusing on reliable data flow and system integration.

The Odin Project — Web Development Student

Jan 2023 – Oct 2023

- Completed an open-source, project-based full-stack curriculum emphasizing CS fundamentals and real-world engineering over isolated tutorials.

EDUCATION

Bachelor of Science — Electrical Communications & Electronic Systems Engineering

Modern Sciences and Arts University (Validated by University of Greenwich, UK)