

Amr Eraky

Senior Full-Stack Developer

React · Next.js · TypeScript · Node.js · React Native · AWS

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SUMMARY

Senior Full-Stack JavaScript/TypeScript developer with **6+ years** of experience shipping production web and mobile products. Currently the **sole owner of the front-end architecture** of a construction-management SaaS platform — from architecture decisions and a shared component library through code review, standards, and production releases. Comfortable across the whole delivery path: React/Next.js front-ends, Node.js and Firebase back-ends, MongoDB/PostgreSQL data layers, and **deployment and CI/CD** on Vercel, Firebase and AWS. Strong on RTL/i18n interfaces, performance optimization and reusable design systems, and I build with **AI coding agents and AI-assisted workflows** as part of day-to-day delivery.

TECHNICAL SKILLS

Frontend	React, Next.js (App & Pages Router), TypeScript, Redux Toolkit, Zustand, React Query, Material UI, Bootstrap, HTML5, CSS3/SCSS, Responsive UI, RTL / i18n
Mobile	React Native, Expo, React Navigation — apps published on Google Play and the App Store
Backend & APIs	Node.js, Express.js, REST API design, tRPC, Firebase (Auth, Firestore, Functions, Storage)
Databases	MongoDB (Mongoose), PostgreSQL (Prisma), Firestore
Cloud, Deployment & CI/CD	CI/CD pipelines with GitHub Actions, AWS (EC2, Amplify, S3) , Vercel, Firebase Hosting, environment & secret management, custom domains, DNS & SSL, npm package publishing
AI Tools & Agents	GitHub Copilot, Claude Code, OpenCode for agentic development, refactoring and code review; vibe-coding and rapid-prototyping platforms Replit and Lovable ; OpenAI API integration
AI Concepts	LLM fundamentals, prompt engineering, RAG , embeddings and vector search, AI agents and tool use, MCP, integrating chatbot and AI features into products
Architecture & Practices	Component-based and Atomic Design, feature-based modular structure, MVC-like architecture, OOP, reusable design patterns, code review and coding standards, Agile/Scrum, Git workflows
Testing	Jest, React Testing Library
Also familiar with	PHP (Laravel), Python, WordPress, Wix

EXPERIENCE

Lead Front-End Engineer — Construclo (Full-time, Remote)

Nov 2021 – Present

MY ROLE: Sole front-end owner of the Construclo SaaS platform — I make the architecture and tooling decisions, build the features, review every front-end pull request, and ship to production.

- **Own the entire React/TypeScript front-end end-to-end:** application architecture, feature-based folder structure, routing, state-management strategy and the release process.
- **Designed and built the shared component library** on top of Material UI — the single source of truth for tables, forms, dialogs and layout across every module, which made new screens significantly faster to build and kept the UI consistent.
- **Define the REST API contracts with the backend team** and implement all client-side data fetching, caching, optimistic updates and error handling.
- **Implemented full RTL and i18n support** (Arabic/English) across the product — layout mirroring, locale-aware formatting, and a translation structure the team extends without touching layout code.
- **Led the performance work:** code splitting, render-behaviour profiling, memoization, large-list virtualization and bundle-size reduction on data-heavy project screens.
- **Set the front-end coding standards and review all front-end pull requests;** onboard and mentor developers joining the codebase and pair with them on debugging and best practices.
- **Own build and deployment** of the front-end (environment configuration, build pipeline, production releases) and work directly with designers, backend engineers and stakeholders in an Agile workflow, turning product requirements into scoped technical work.

MY ROLE: Individual contributor on a small product team, delivering assigned features across both the front-end and the back-end rather than a single layer.

- Built React.js feature screens from design specs, including forms, validation and API-driven views.
- Implemented the Node.js and Firebase services behind those features — authentication, Firestore data models and cloud functions — then integrated them with the front-end I built.

Full-Stack Web Developer — Handaz

May 2020 – Mar 2021

MY ROLE: Sole developer on client web projects — I took each project from the design file to a deployed, live site.

- Built responsive websites and UI components from design specifications using HTML5, CSS3, JavaScript and Bootstrap.
- Implemented Firebase back-ends (auth, database, storage) and handled hosting, domain setup and deployment.

Front-End Development Intern — Handaz

Mar 2020 – May 2020

- Completed structured training in HTML, CSS, JavaScript, Bootstrap and introductory React; delivered the assigned tasks and a graduation project.

FREELANCE & CONTRACT

Full-Stack Next.js Developer — I Can Coach You (Freelance)

May 2023 – Jan 2025

MY ROLE: Solo developer of the entire platform — requirements, architecture, front-end, back-end, deployment and ongoing maintenance were all mine.

- Designed and built the full coaching platform in **Next.js, Firebase and Material UI**, including authentication, role-based access, content management and an RTL-ready Arabic/English interface.
- Modelled the Firestore data structure, wrote the server-side logic and integrated third-party services.
- Deployed to **Vercel with Git-based CI**, configured the custom domain and SSL, and maintained the production app across releases.

Full-Stack JavaScript & React Native Developer — Traclo (Freelance)

Aug 2021 – Apr 2023

MY ROLE: Sole owner of the admin dashboard end-to-end; contributing developer on two already-published React Native apps and on the shared Node.js/MongoDB API.

- **Built the React/Redux admin dashboard from scratch** — student-mobility management, data tables, reporting views and full RTL support.
- **Shipped features and bug fixes to two production React Native apps** (student app and driver app) live on Google Play, working inside an existing codebase.
- **Extended the Node.js/MongoDB API** with new endpoints and data models to support the dashboard and the mobile features.

Open-Source Maintainer — @amreraky/react-infinite-scroller

2025 – Present

MY ROLE: Sole author and maintainer of the published npm package.

- Forked an unmaintained library, **migrated it to React 18+**, added built-in TypeScript declarations, and publish versioned releases to npm.

SELECTED PROJECTS

- **Construclo** — construction-management SaaS construclo.com

My part: the complete front-end — architecture, shared component library, all feature modules, API integration, RTL/i18n and performance.

React · Redux · TypeScript · Material UI · REST API

- **I Can Coach You** — online coaching platform icancoachyou.online

My part: solo full-stack developer — the whole application and its deployment.

Next.js · Firebase · Material UI · Vercel

- **BigTime** — digital business platform digital.bigtime-int.com

My part: built the full-stack application on the T3 stack, including the database schema and the type-safe API layer, and deployed it.

Next.js · tRPC · Prisma · PostgreSQL · Vercel

- **EgyPTC — association portal** egyptc.org
My part: designed and developed the full MERN application front to back.
 Next.js · Node.js · MongoDB · Material UI
- **HafsQuran — Quran-recitation tutoring app** app.hafsquran.com
My part: built end-to-end as sole developer — a dynamic Arabic/RTL learning app with scheduling, sessions and user management.
 React · Redux · Firebase · RTL
- **Traclo — student-mobility system** traclo-admin.web.app
My part: sole developer of the admin dashboard; feature and fix contributor on the two published React Native apps and the Node/MongoDB API.
 React · Redux · React Native · Node.js · MongoDB
- **MenuQR — mobile app for almenuqr.com** [Google Play / App Store](https://play.google.com/store/apps/details?id=com.almenuqr)
My part: developed the cross-platform mobile app and took it through release on both Android and iOS.
 React Native · Expo
- **@amreraky/react-infinite-scroller** npmjs.com
My part: sole author and maintainer — React 18+ migration, TypeScript declarations, published releases.
 React · TypeScript · npm

EDUCATION

Bachelor of Civil Engineering — Faculty of Engineering, Fayoum University, Egypt	2009 – 2014
Front-End Web Developer Nanodegree — Udacity	2020
Web Developer, Zero To Mastery Academy — Udemy	2020
Mobile Web Development — Google Africa Developer Scholarship	2019

Additional certifications in Node.js/Express/MongoDB, React, React Native and TypeScript (Coursera, edX & IBM, Udacity, Mahara Tech) — full list at amr-eraky.web.app.

LANGUAGES

Arabic — native · English — professional working proficiency (fluent technical reading, writing and communication)