

MOSTAFA MOHAMED ABDALLA

Senior Frontend Engineer | Frontend Architecture | React | Next.js | TypeScript

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PROFESSIONAL SUMMARY

Senior Frontend Engineer specializing in scalable frontend architecture, React performance, developer experience, and production-ready web applications. Experienced in owning frontend architecture decisions, designing shared frontend foundations, mentoring developers, improving delivery speed, and building reusable systems across enterprise products, dashboards, HR, payroll, recruitment, real-time applications, e-commerce, CMS platforms, open-source developer tools, and internal business systems. Built a shared frontend foundation currently powering 5 production applications inside the current company context and helped reduce development time by approximately 55% through reusable architecture patterns and engineering standards.

KEY IMPACT

- Owned frontend architecture decisions across production systems, shared foundations, reusable modules, route structures, UI patterns, and implementation standards.
- Designed and maintained a shared frontend foundation currently powering 5 production applications in the current company context.
- Reduced development time by approximately 55% through reusable base code, shared patterns, and technical guidance.
- Improved frontend performance by addressing load-time issues, unnecessary re-renders, bundle-size bottlenecks, and maintainability problems.
- Guided 3 frontend engineers through code reviews, architecture decisions, standards, technical direction, and structured learning paths.
- Published and maintain developer-facing open-source packages used by programmers to solve real frontend workflow problems, including React Loadly and Shadow Form Handler.

PROFESSIONAL EXPERIENCE

Al Nasayan Agency - Senior Software Engineer | Dec 2024 - Present

- Own frontend architecture decisions across multiple company products, including Payroll, HR Management, Recruitment, dashboards, internal systems, real-time applications, and production business workflows.
- Designed and maintain the shared frontend foundation used as a starting point for production applications, covering scalable project structure, reusable patterns, shared UI foundations, API integration patterns, state/data handling, forms, validation, routing, and implementation standards.
- Helped reduce delivery time by approximately 55% by replacing repeated setup work with reusable base code, consistent architecture decisions, and documented engineering patterns.
- Guide 3 frontend engineers through code reviews, architecture guidance, technical direction, learning paths, and practical implementation standards.
- Resolved performance and maintainability issues by improving load times, reducing unnecessary re-renders, optimizing bundle size, and making complex screens easier to evolve.
- Built and maintained scalable web and mobile interfaces using React, Next.js, TypeScript, React Native, Expo, modern state/data patterns, REST APIs, and production-grade frontend workflows.

Upwork - Frontend Engineer / Consultant | Jul 2022 - Dec 2024

- Delivered production-ready frontend solutions for multiple clients across dashboards, CMS platforms, e-commerce systems, custom business tools, and responsive web applications.
- Translated business requirements into maintainable React, Next.js, and TypeScript interfaces with a focus on performance, scalability, accessibility, and clean implementation.
- Worked directly with stakeholders to define scope, clarify requirements, handle client communication, and deliver features aligned with real business needs.

Smart Programming - Frontend Developer | Sep 2021 - Sep 2022

- Developed frontend features for Smart Cashier ERP System using React, Redux, Next.js, and TypeScript.
- Built business-system interfaces connected to backend services and supported ERP workflows where accuracy, reliability, and maintainable state management mattered.
- Collaborated with backend and product teams to implement business-critical features and improve frontend delivery quality.

OPEN SOURCE PACKAGES & DEVELOPER TOOLS

React Loadly - Open Source React Loading Experience Toolkit - [GitHub](#) | [npm](#) | [Showcase](#)

- Developer-facing open-source React package built for programmers who need reusable loading states, loaders, skeleton screens, loading-state hooks, and production-ready loading patterns.
- Designed and maintained with TypeScript support, documented APIs, reusable component patterns, performance-aware UI behavior, and a dedicated showcase/docs website.
- Reached 46 GitHub Stars and 300+ weekly downloads, demonstrating real developer interest beyond a small portfolio side project.

Shadow Form Handler - Open Source Form Management Package - [GitHub](#) | [npm](#)

- Developer-facing npm package created to help frontend programmers structure form logic, reusable form workflows, and form-handling patterns with a stronger developer-experience mindset.
- Focuses on reusable APIs, clearer form architecture, validation workflow support, and reducing repeated form-handling decisions across frontend applications.

SELECTED PRODUCT & PROJECT WORK

Shared Frontend Foundation

- Created an internal base code/foundation used to start and scale production applications faster with consistent architecture, reusable UI patterns, data handling, forms, routing, and engineering standards.
- Currently powers 5 production applications inside the current company context and reduced repeated setup decisions across teams.

Payroll, HR Management & Recruitment Systems

- Contributed to large business-critical systems with complex workflows, forms, tables, permissions, dashboards, and integrations with backend services.
- Focused on scalable frontend structure, maintainability, Arabic/English product expectations, reliable UI behavior, and production delivery quality.

Dashboards, CMS, E-commerce & Internal Tools

- Delivered and contributed to multiple career-wide projects across consulting and company work, including dashboards, CMS platforms, e-commerce systems, internal systems, and enterprise workflows.
- Handled responsive UI, reusable components, API integration, state management, performance considerations, and stakeholder-driven feature delivery.

COMMUNITY & MENTORSHIP

- Founder of Shadow Coding: 16K+ subscribers, 466K+ views, and 208 technical videos focused on React, Next.js, TypeScript, frontend architecture, and software engineering.
- Mentored 100+ developers across fresh graduate, junior, mid-level, and senior stages through customized plans, discovery interviews, architecture guidance, code reviews, interview preparation, and career direction.
- Maintains a personal brand platform at www.shadow-coding.com, combining portfolio, open-source work, mentorship, recommendations, and frontend architecture positioning.

TECHNICAL SKILLS

React, Next.js, TypeScript, JavaScript, React Native, Expo, Redux, Zustand, TanStack Query, React Hook Form, Valibot, Tailwind CSS, shadcn/ui, Framer Motion, GSAP, Frontend Architecture, System Design, Design Systems, Web Performance, Performance Optimization, REST APIs, Axios, Git, GitHub, CI/CD, npm, pnpm, ESLint, Prettier, Testing Foundations.

EDUCATION

Bachelor's Degree in Computer Software Engineering - Delta University for Science and Technology, 2023