

Ahmed Walid — Frontend Engineer

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PROFESSIONAL SUMMARY

Frontend Engineer with 3+ years of experience specializing in scalable UI architecture and real-time enterprise systems. Proven track record delivering production-ready applications across government, SaaS, and e-commerce sectors — using Agile (Scrum) methodologies.

TECHNICAL SKILLS

Core: HTML, CSS/SCSS, JavaScript, TypeScript

AI Tools: Claude, Cursor, Antigravity

Frameworks: React.js, Next.js, React Native, AngularJS, NestJS

Styling/UI: Tailwind CSS, shadcn/ui, MUI, Radix UI, Framer Motion

State Management: Redux Toolkit, Context API, Zustand

Forms & Validation: React Hook Form, Formik

- Schema Validation: Zod, Yup

Data Fetching: TanStack Query, Axios

Real-time: Socket.io, Pusher

Payments & Checkout:

- Global: Stripe
- Regional (MENA): Paymob, Tap Payments

Maps: React Leaflet, React Google Maps

Other Tools: ag-Grid, JWT Authentication

PROFESSIONAL EXPERIENCE

Ackura — Frontend Engineer (Contract)

Jan 2026– Aug 2026

- **Core ERP Modules:** Delivered 3 production-grade ERP modules from scratch — Website Builder, a full POS (Point of Sale) system, and a Labels Print Canvas with ZPL-based thermal label printing.
- **Design System & Monorepo:** Migrated all frontend apps into a Turborepo monorepo with a shared modern design system, unifying UI components and boosting team development velocity across the platform.
- **Thermal Receipt Unification:** Designed and implemented a single unified thermal receipt printing engine covering all transaction types platform-wide.
- **Full-Stack Exposure:** Interfaced with NestJS backend services, managed Docker Desktop server environments, and administered local databases via pgAdmin.
- **Tech Stack:** Next.js 16, NestJS, Turborepo, TypeScript, Docker Desktop, pgAdmin, ZPL.

MEWA (Ministry of Environment, Water and Agriculture) — Frontend Engineer

Jan 2025 – Present

- **Specialized App Development:** Developing a suite of farm-management applications (plants, fish, livestock) featuring complex disease-identification workflows and real-time operational tools.
- **Geospatial Visualization:** Built interactive, map-based distribution views using **React Leaflet** to visualize plant locations and health status across various regions.
- **Enterprise Dashboards:** Delivered high-performance admin dashboards for user management and data submissions, utilizing **ag-Grid** and **Redux** for scalable UI architecture and efficient state handling.
- **Legacy Modernization & Maintenance:** Actively maintaining and stabilizing legacy applications built with **Laravel Blade templates**, **jQuery**, and monolithic **PHP/HTML** structures; ensuring 100% uptime and seamless performance for critical government services.
- **Tech Stack:** React.js, AngularJS, React Native, jQuery, Redux, Tailwind CSS, TypeScript.

Axcieve — Frontend Engineer

Jan 2024 – Dec 2024

- **End-to-End Product Delivery:** Led the frontend development of a complete, AI-powered CRM platform, taking the project from initial concept to a fully functional production-ready application.
- **AI Feature Integration:** Developed and integrated two specialized AI models (Sales Coach and Deal Closer) into the app's core workflow to help users manage and close deals faster.
- **Real-Time Data Sync:** Built the system that keeps data updated instantly across the app, ensuring chat conversations and sales metrics stayed in sync without page refreshes.
- **Clean & Modern UI:** Designed and built the entire user interface using **Next.js** and **Tailwind CSS**, creating a smooth and professional experience for CRM users.
- **Tech Stack:** Next.js, Redux Toolkit, Tailwind CSS, AI Model Integration, TypeScript.

- **Rapid Product Delivery:** Contributed to a high-output team that launched 12+ published applications; personally led the frontend development and delivery for 5 complete platforms, including **ERP** systems and E-commerce sites.
 - **Multi-Role Systems:** Developed intricate permission-based dashboards and portals, ensuring tailored user experiences for various roles (Admin, Merchant, and End-user) within each application.
 - **Component-Driven Efficiency:** Boosted team development speed by building a library of reusable UI components and optimizing internal workflows.
 - **Full-Cycle Development:** Managed the transition from landing page design to complex dashboard implementation using React and **Next.js**, focusing on performance and **SEO**.
 - **Tech Stack:** React.js, Next.js, Redux, Tailwind CSS, REST APIs.
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PROJECTS

PLAYBOY (Future Wear) — Luxury Streetwear Experience | [Live Demo](#)

The Goal: Created an immersive, high-conversion e-commerce storefront focused on premium brand storytelling and 3D interactivity.

Technical Achievement: Implemented advanced motion orchestration with Framer Motion and Lenis smooth scrolling. Integrated interactive **3D Spline** scenes while maintaining optimized performance and **SEO**.

Stack: Next.js 15 (App Router), TypeScript, Tailwind CSS, Spline 3D, Framer Motion.

Reelify — Client-Side Video Enhancement Tool | [Live Demo](#)

The Goal: Built a fast, privacy-first video enhancer that runs entirely in the browser — no uploads, no backend.

Technical Achievement: Integrated FFmpeg.wasm with a modular filter-graph system, lazy-loaded singleton instance, and efficient blob URL lifecycle. Designed a clean 3-step flow (upload → process → preview) with real-time comparison and extensible processing options.

Stack: React 19, TypeScript, Vite, Tailwind v4, FFmpeg.wasm, React Dropzone, React Player

Cookie — Enterprise Admin Dashboard Architecture | [Live Demo](#)

The Goal: Engineered a high-performance, bilingual (EN/AR) dashboard foundation to accelerate enterprise development cycles.

Technical Achievement: Architected a modular system with RTL/LTR switching, Auth-Guards, and persistent theming. Developed a custom chart factory pattern using Recharts for scalable data visualization.

Stack: React 18, TypeScript, Vite, shadcn/ui, Zustand, TanStack Query, i18next.

EDUCATION

Bachelor of Computer Science | Helwan University

Graduated: 2023

Certifications & Specialized Training

React Architecture & Design Patterns | Self-Study & Professional Practice

- Specialized in Clean Code architecture, mastering the development of highly reusable components by maintaining a single layer of abstraction to ensure code readability and scalable solutions.

Front-End Development Bootcamp | Route Academy

- Intensive program focused on modern JavaScript ecosystems and enterprise-level frontend workflows.

UI/UX Design Intensive | GoMyCode

- 3-month program covering user-centered design, prototyping, and design-to-code handoff.