

MOHAMED HAMDY TOBAL

Frontend Engineer

React.js • Next.js • JavaScript • TypeScript

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PROFESSIONAL SUMMARY

Frontend Engineer with **2+ years** of experience building scalable enterprise applications across SaaS, ERP, CRM, and marketplace platforms using **React.js, Next.js and TypeScript**. Specialized in frontend systems and translating complex business requirements into scalable, maintainable solutions. Experienced in developing multi-role and multi-tenant platforms, designing scalable architectures, optimizing performance, and collaborating with cross-functional teams to deliver business-critical products. Focused on clean architecture, reusable systems, and building products that scale.

PROFESSIONAL EXPERIENCE

Frontend Engineer | Spree Solutions

Full-time | Jul 2024 – Present

Building scalable React and Next.js applications, collaborating with cross-functional teams, and delivering business-critical products with a focus on clean architecture, performance, and maintainability.

Nimble Self Serve

Self-service platform enabling businesses to launch fully branded websites through a configuration-driven onboarding builder. Dynamically generates tenant applications using reusable templates, modular components, theme customization, feature selection, and domain configuration, supporting eCommerce, Booking, Restaurant websites

- Owned frontend development of a configuration-driven multi-tenant website builder, enabling businesses to launch fully branded web applications through a guided onboarding experience.
- Architected a modular component registry and template system that dynamically assembles tenant websites from reusable configurations without frontend code changes.
- Designed and implemented a visual onboarding builder that generates complete tenant configurations based on business type, branding, themes, features, and domain selection.
- Built a real-time preview engine that synchronizes configuration changes with generated tenant configurations.
- Developed reusable frontend infrastructure including dynamic page rendering, configurable layouts, theme management, feature gating, and registry-based component composition.
- Collaborated with backend engineers to define tenant configuration contracts, deployment workflows, preview generation, and future tenant provisioning APIs.
- Improved scalability by adopting a configuration-first architecture that supports 5 business models

Carvinu

Digital marketplace connecting customers, dealerships, and banking partners through dedicated portals covering the vehicle purchasing journey.

- Developed role-specific platforms for administrators, dealerships, banks, and customers with secure, role-based authorization.
- Built workflows for dealership operations, inventory management, financing, and reporting.
- Delivered customer-facing experiences for vehicle discovery, reservations, and purchasing.

Equity

Real estate platform supporting multi-city short-term rentals through booking workflows, property management, and business analytics.

- Delivered property discovery with intelligent filtering, search, and interactive availability calendars.
- Built an administration dashboard covering booking operations, user management, properties, and reporting.

- Established reusable frontend patterns supporting rapid feature expansion while maintaining platform consistency.

Frontend Engineer (Contract)

Part-time | Remote | 2025 – Present

Delivering enterprise frontend solutions across ERP, EdTech, and Professional Networking. Collaborating with clients and backend engineers to design scalable architectures and implement complex business.

RXM ERP

Large-scale ERP platform centralizing HR, Payroll, Employee Management, Organizational Structure, Residency Management, Service Requests, and internal admin workflows.

- Led frontend development across 12 interconnected modules covering HR, payroll, employee lifecycle, attendance, org hierarchy, service requests, residency, departments, positions, roles, and permissions.
- Implemented approval chains, hierarchical permissions, dynamic validation, RBAC, and complex business rules.
- Built reusable infrastructure: configurable data tables, advanced filtering, global search, pagination, forms, dialogs, and permission-driven components used across modules.
- Worked with backend engineers to shape API contracts, and validate business rules for reliable integration.

IEP Education Management System | Demo

Education management platform covering the full student lifecycle — admissions, enrollment, academics, attendance, transportation, finance, medical records, and staff management.

- Developed 12 modules covering Admissions, Students, Transportation, Finance, Medical Records, Staff, and Services.
- Built the full digital admission journey: public application, admin approval, and student access.
- Developed secure multi-role dashboards for admins, staff, and students with permission-based workflows.
- Designed reusable interfaces: configurable tables, filtering, search, validation, and scalable forms across modules.
- Collaborated with backend engineers and stakeholders to turn complex educational workflows into intuitive, scalable frontend experiences.

Anceega | Demo

Professional networking platform for the Arab market, combining recruitment, networking, company reviews, portfolios, advertising, and talent discovery.

- Developed and maintained both the public platform and admin dashboard.
- Built profile management, portfolio-driven recruitment, job discovery, networking, and employer engagement.
- Implemented company reviews, rating systems, sponsored ads, content publishing, and admin tools.
- Delivered bilingual UX with scalable frontend architecture across modules.

TECHNICAL SKILLS

Frontend : HTML , CSS , JavaScript , TypeScript , React , Next.js , React Query , Redux Toolkit , Zustand , Rest APIs , Axios , React Hook Form , Docker

Styling : Tailwind CSS , Shadcn/UI , Framer Motion , Material UI , Bootstrap

UI/UX & Design: Figma, Adobe XD

Tools & Workflow: Git/GitHub, Aigle/Scrum/Jira/Trello

Performance : Lazy Loading, Code Splitting, Memoization, Lighthouse, Web Vitals

Architecture: Feature-based Architecture , Design System , SOLID , Clean Architecture

EDUCATION

Damietta University

Sep 2020 – Jun 2024

B.Sc. in Computer Science and AI

Grade: Very Good Honors (GPA 3.33)