

Akram Bedjaoui

Frontend Engineer · React / TypeScript

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PROFESSIONAL SUMMARY

Frontend Engineer with 3+ years architecting and shipping production web applications in React and TypeScript across B2B SaaS, healthcare, and e-commerce. Sole engineer behind a large-scale, type-safe SaaS platform built on Domain-Driven Design — spanning a multi-format document/3D viewer, a 48-component design system, and bilingual i18n. Strong in REST/GraphQL integration, performance (Core Web Vitals), and accessibility (WCAG 2.1). Trilingual (Arabic native, English C1, French B1). Open to relocation anywhere and visa sponsorship.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Python

Frameworks & Libraries: React, Next.js, FastAPI, three.js

State & Data: TanStack Query, React Hook Form, Zustand, Zod, Axios, REST, GraphQL, WebSockets

Styling & UI: Tailwind CSS v4, Design Systems, Storybook, WCAG 2.1 / ARIA

Build & Practices: Vite, Webpack, Git, GitHub, ESLint, i18next, Agile (Scrum)

Architecture: Domain-Driven Design, Feature-based modular architecture

PROFESSIONAL EXPERIENCE

Frontend Engineer — PRODA Connect

Apr 2024 – Present

- Architected and shipped, as sole frontend engineer, a B2B SaaS platform for the AEC (Architecture, Engineering & Construction) industry in React and TypeScript on a Domain-Driven Design structure of 698 source files — delivered at launch with 0 TypeScript errors, 0 circular dependencies, and 0 cross-module import violations.
- Engineered a multi-format in-browser document viewer (PDF with virtual scrolling, zoom and text search; IFC 3D models via WebGL/three.js; image/video), holding the main bundle to 292 KB gzip by deferring the 3D engine into a 458 KB worker chunk loaded on demand.
- Built a type-safe API and data layer — Axios with 4 specialized instances, TanStack Query with stale-while-revalidate caching and invalidation, and a Zod-validated pipeline with typed domain mappers that fully decouples the UI from raw API contracts.
- Designed subscription-aware feature gating (HOC pattern, role-based context, and API-level enforcement via Axios interceptors) and a composable role-based routing system across 27 routes with layered guards and a Zustand-persisted auth store.
- Shipped a 48-component design system (Tailwind CSS v4, 50+ design tokens, custom ESLint rules blocking style bypasses) powering a fully bilingual EN/FR platform built on react-i18next with 500+ type-safe translation keys.

Web Development Instructor · Part-time — Code Labs Academy

Apr 2025 – Present

- Teach React and full-stack development to international, cohort-based groups (~3 months per cohort), mentoring developers through hands-on projects centered on clean architecture and API integration.

Frontend Developer — Ayor.ai

Jan 2025 – Jan 2026

- Built React dashboards and a configurable funnel builder for an AI product.
- Integrated REST and GraphQL APIs with TanStack Query, improving perceived load performance through caching and request optimization.
- Delivered mobile-first, Figma-aligned responsive interfaces, collaborating with product and backend across Agile sprints and code reviews.

Frontend Developer — H24CARE

Sep 2023 – Apr 2024

- Built real-time React interfaces integrated with backend medical systems to streamline patient routing and triage workflows.
- Optimized frontend performance through asset optimization and build configuration improvements.
- Delivered accessible, WCAG 2.1-compliant interfaces for clinicians and patients.

EDUCATION

University of Algiers 2 · Institute of Translation 2021 – 2023

Translation Studies (Arabic / English / French)

LANGUAGES

Arabic — Native · English — C1 (Professional working proficiency) · French — B1 (Reading & listening)