

Mohammed Amine Benahmed

Full-Stack Developer · Rust · React · TypeScript · Node.js · AWS

Algeria (Open to Remote) | mohammed@aminebenahmed.dev | +213 659 715 723

aminebenahmed.dev · dokanionline.com · github.com/amineProjects · gitlab.com/amineProjects · linkedin.com/in/mohammed-amine-benahmed

Self-taught full-stack developer with 8 years building and shipping production software. I began teaching myself to code in 2014 and shipped my first web app in 2018, building products continuously since — alongside a part-time high-school physics teaching role (18h/week) that I left in February 2026 to develop full-time. I take products from architecture to CI/CD release: I built and shipped Dokani POS, an offline-first cross-platform point-of-sale app for barber shops and retail in the UAE/MENA. Strong in Rust, React 18, TypeScript, and cloud-sync architecture, with deep Arabic/RTL UX and UAE ZATCA e-invoicing knowledge.

SKILLS

Systems / Backend	Rust, Tauri 2, SQLite (rusqlite), Axum, WebSocket, ESC/POS, HarfBuzz
Frontend	React 18, TypeScript, Next.js 14, React Native / Expo, React Native Web, Vite, TailwindCSS, Panda CSS, styled-components
Cloud / Infra	Supabase (PostgreSQL, PostgREST, Edge Functions), AWS (Cognito, AppSync, DynamoDB), GitLab CI, GitHub Actions, Netlify
Backend / APIs	Node.js, Deno, REST, GraphQL (Apollo, AppSync)
Data	PostgreSQL, SQLite, DynamoDB, delta sync, conflict resolution
Compliance / i18n	UAE ZATCA/FTA e-invoicing (UBL 2.1, TLV QR, SHA-256), Arabic RTL, French, English

EXPERIENCE

Founder & Lead Developer — Dokani POS 2024 – Present

Offline-first POS desktop + Android app for barber shops and retail in the UAE/MENA. Shipped v1.11.4 across Windows, macOS, Linux, Android.

- Architected a local-first SQLite core with a delta-sync engine to Supabase (PostgREST), plus a zero-config LAN sync fallback (Axum WebSocket + mDNS + self-signed TLS) for multi-device operation.
- Built ESC/POS thermal printing with Arabic RTL text shaping via HarfBuzz in Rust, supporting 58mm and 80mm printers across all platforms.
- Implemented a UAE ZATCA / FTA e-invoicing pipeline: UBL 2.1 XML generation, TLV QR codes, SHA-256 invoice hashing, and per-item VAT.
- Designed a 7-role × 84-permission RBAC enforced independently on the React frontend and on every Rust Tauri command.
- Shipped tiered subscriptions (Lemon Squeezy), an auto-backup scheduler, Excel import/export, and a full CI/CD signed auto-update pipeline (GitLab Pages CDN, GitHub Actions multi-arch macOS build).

Tech: Rust · Tauri 2 · React 18 · TypeScript · SQLite · Supabase · PostgreSQL · Axum · HarfBuzz · GitLab CI · GitHub Actions

Frontend Developer (Volunteer) — MiMIAT Health, Barcelona (Remote) 2026 – Present

Digital-health startup building a patient mobile app and clinician web platform for chronic-disease care. Contributing to frontend across both, working directly with the product and technology team.

- Contributing to a React Native / Expo patient app (iOS/Android) and a React · Next.js · TypeScript · TailwindCSS clinician web platform.
- Working on patient-facing flows (onboarding, symptom tracking, consent, data sharing) and clinician-facing workflows (patient lists, longitudinal summaries, dashboards).
- Integrating frontend features with APIs, authentication, and notifications; refactoring existing components for clarity and maintainability.

Tech: React · Next.js · TypeScript · React Native · Expo · TailwindCSS

Founder & Lead Developer — Benahmed Education 2019 – 2024

Physics & chemistry e-learning platform for Algerian high-school students (150+ lessons, 500+ exercises). Built during COVID; maintained and expanded for five years.

- Built on Gatsby (static generation) with an MDX + KaTeX pipeline rendering physics and chemistry equations across the full national curriculum (Scientific, Literary, Technical-Mathematics streams).
- Implemented an AWS serverless backend: Cognito authentication (email + Google/Facebook OAuth), AppSync GraphQL for real-time sync, and DynamoDB.
- Built an in-browser lesson editor (Editor.js) so content could be authored without redeploying, plus timed gamified quizzes and a progress-tracking student dashboard.
- Shipped an offline-capable PWA (service worker), QR-code exercise sharing, and a Lemon Squeezy premium-subscription model (Redux Toolkit + redux-persist).
- Delivered a multilingual UI (Arabic RTL, French, English), Excel import/export, Google Analytics + Facebook Pixel, and full SEO.

Tech: Gatsby · React · Redux Toolkit · MDX · KaTeX · AWS (Cognito, AppSync, DynamoDB) · GraphQL · Editor.js · PWA

Full-Stack Developer — Wasfaty.online 2018 – 2019

First self-taught product: a recipe-saving web app, designed and built end to end — the project that launched my development career.

- Built the full application front to back as a self-directed learning project, taking it from concept to a live, working web app.

Tech: React · JavaScript

High-School Physics Teacher — Ministry of Education, Algeria 2013 – 2026

Taught high-school physics (18h/week from 2018), which left time for self-taught, parallel software development. Transitioned to full-time development in February 2026.

EDUCATION

Master's Degree, Physics — University of Sciences and Technology of Oran (USTO-MB), Algeria 2013

LANGUAGES

Arabic (Native) · French (Professional, B2+) · English (Professional, B2+)