

Dhia Eddine Sahhar

Full-Stack Product Engineer · TypeScript, NestJS, React Native, Next.js

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SUMMARY

Full-stack product engineer with 3+ years of experience building complete platforms from the database to the mobile app: ride-hailing, booking marketplaces, real estate and e-commerce. Lead backend developer at 8Ride (NestJS, PostgreSQL, Redis, Stripe) and main developer of Care-me, a booking marketplace running in 5 countries. Experienced with payments (Stripe, SATIM CIB/EDAHABIA), real-time systems, maps and PostGIS, GDPR, and French/English/Arabic right-to-left interfaces. I deploy my own products with Docker, CI and self-hosted servers.

EXPERIENCE

Full-Stack Developer — 8Ride

Jan 2026 – Oct 2026 · Remote

Ride-hailing startup

Lead backend developer on a 4-app ride-hailing platform: a NestJS API, a Next.js admin console, and Expo / React Native rider and driver apps, built by a remote team of about 6 developers. Wrote 670 of the 917 backend commits (73%, over four times the next contributor), plus about 160 commits on the rider and driver apps, all through GitLab merge requests and CI.

- **Payments and invoicing:** Stripe card pre-authorisation and capture, dunning reminders, payout reconciliation, and automatic PDF invoices with gapless numbering, idempotent generation and immutable snapshots.
- **Real-time ride flow:** Socket.IO with a Redis adapter for driver matching, timed sequential offers, live GPS trails, and changing the destination during a ride.
- **Geofencing:** service areas on PostGIS with an admin zone editor, opening schedules, GeoJSON import and export, and an H3 heat map of refused rides.
- **Compliance:** GDPR account deletion and data export (anonymised, financial records kept), and a legal-documents CMS with versioned terms and forced re-acceptance.
- **Admin security:** role-based access, TOTP two-factor authentication with backup codes, and an audit log of sensitive actions.
- **Reliability:** Redis distributed locks and idempotency for BullMQ and cron jobs, Sentry crash reporting, OpenTelemetry metrics, e2e tests on Vitest.
- **Maintenance:** dependency audit and upgrades across all 4 apps (Expo SDK, React Native, Next.js), French/English localisation, and a Docker Compose dev stack.

Full-Stack Developer — Care-me

Dec 2023 – Dec 2025 · Hybrid, Algiers

Beauty and wellness booking marketplace

Main developer of a multi-country booking platform for salons, barbers and clinics in Algeria, France, Morocco, Tunisia and Senegal. Shipped a client web app and Flutter app, the Care me Pro owner suite (web and Capacitor iOS/Android), an admin console, a jobs portal and a card-payment gateway. Top contributor on the owner web app (about 1,090 of 1,258 commits) and the backend (about 760 commits).

- **Backend:** Express and MongoDB API with about 480 endpoints, Socket.IO real time, Redis distributed locks, cron jobs, Firebase push, and PDF invoices.
- **Payments:** SATIM CIB / EDAHABIA card payments for Algeria, plus Stripe.
- **Owner tools:** staff planning with FullCalendar, appointments, service packs, Google Maps store pages, and a PWA.
- **International:** Arabic (right-to-left), French and English with next-intl, country-specific domains, and IP geolocation with MaxMind.

SELECTED PROJECTS

Immorio — real-estate marketplace · immorio.online

2026 · Live

Property portal covering 69 wilayas in French, English and Arabic. NestJS, Prisma, PostgreSQL + PostGIS, Redis/BullMQ, Meilisearch, Next.js 16 web and admin apps, two Expo Android apps. Map search with PostGIS clustering, travel-time and draw-on-map search, real-time chat with visit scheduling, 360° tours, a tenant portal with rent payments, WhatsApp/SMS/email notifications. 61 controllers, 160+ test files including Playwright e2e, SonarQube gate passing; self-hosted with Docker and Caddy.

Bistro — restaurant and retail management · bistrodz.com 2025 – 2026 · Live
Point of sale, kitchen display, stock with barcodes and expiry tracking, recipes, suppliers, staff and analytics, plus QR-table ordering and live order tracking. Next.js 16, MongoDB, Socket.IO, and an Electron desktop app with native receipt printing. About 150 API routes, 5 languages including Arabic.

Top Papier — print-quote platform for a print shop in Tizi-Ouzou 2026 · Client
Instant book-printing quotes from uploaded files, priced on page count, format and measured ink coverage (Ghostscript, PDFium WASM). Next.js 16, NestJS, Prisma, PostgreSQL, BullMQ worker, Gotenberg, SeaweedFS. Versioned price lists, orders, PDF quotes and invoices, delivery to 1,541 communes, SATIM card payment. 118 unit + 96 e2e backend tests; Docker Compose deploy.

3DzPrinting — 3D-printing shop with instant quotes 2026
Upload an STL, 3MF or STEP file and get a price instantly from a built-in slicer, with a three.js 3D viewer. Shop with cart, coupons and multilingual PDF invoices; Stripe and SATIM payments; printer control over OctoPrint, Klipper, PrusaLink and Bambu Lab. Express 5, React 19, Tailwind, about 200 test files with Playwright accessibility checks.

Percept — offline AI desktop app 2026 · Personal
Windows app (Tauri) running every model on the local GPU: object detection, Whisper speech-to-text, NLLB translation, voice cloning and dubbing, image/video Q&A with Qwen-VL. A FastAPI orchestrator manages model processes; Vulkan, CUDA and DirectML on AMD and NVIDIA.

Secure Messenger — end-to-end encrypted chat Personal
Anonymous web messenger with group chats, encrypted files and voice notes, and WebRTC audio/video calls. Browser-generated ECDH P-256 keys with per-message AES-256-GCM keys. React, Socket.IO, Node, MongoDB, Redis.
Earlier client work: an event-registration desktop app with QR badges (Electron), a medical quiz app (React Native), and sites for an industrial company and a pizza restaurant. More at sizar13.vercel.app.

SKILLS

Languages	TypeScript, JavaScript, Python, SQL, Bash
Backend	Node.js, NestJS, Express, Prisma, REST, Swagger / OpenAPI, BullMQ, WebSockets / Socket.IO
Data	PostgreSQL + PostGIS, MySQL, MongoDB, Redis, Meilisearch
Web	React, Next.js, Redux, Zustand, React Query, Tailwind CSS, shadcn/ui, MUI
Mobile and desktop	React Native, Expo, Electron
Payments and APIs	Stripe, SATIM CIB/EDAHABIA, Twilio, Firebase Cloud Messaging, Cloudinary, S3 / Cloudflare R2, Resend
Real-time and media	WebRTC, WebCrypto end-to-end encryption, react-native-maps, MapLibre, Whisper, Argos
DevOps and quality	Docker, Docker Compose, GitLab CI, GitHub Actions, Vercel, Render, Sentry, OpenTelemetry, Vitest, Playwright
Product	i18n and right-to-left layouts, accessibility, SEO, Figma

LANGUAGES

Arabic (native) · French (fluent) · English (fluent)