

Ferhat Mohamed Tahar

Full Stack Software Engineer

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PROFESSIONAL EXPERIENCE

Full Stack Engineer

Dec 2025 – Present

IpRACTIS

Remote

- Architected a Next.js/TypeScript tutoring marketplace from empty repo to production, shipping 40+ REST API endpoints across authentication, RBAC, booking, and a real-time lesson engine.
- Replaced the Google Meet dependency with an in-house LiveKit (WebRTC) video classroom, deployed as a standalone service authenticating against the platform to raise call availability and bring session lifecycle and permissions under full platform control.
- Engineered a three-provider payment pipeline (Stripe, Wise, PayPal) on an append-only wallet ledger with a 14-day earnings hold and admin kill-switch, making every payout auditable and fraud reversible.
- Instrumented full-stack observability with Sentry, BetterStack, and PostHog, surfacing production errors and drop-off before users reported them; shipped GDPR-compliant via Google Consent Mode v2.
- Built a React.js super-admin dashboard giving non-technical staff direct control over refunds, user issues, and system-health checks, resolving support tickets in under 3 hours without engineering involvement.

Full Stack Engineer

Feb 2023 – Mar 2025

Omed

Remote

- Owned end-to-end REST API design for two concurrent client products: a Nest.js order and product management service and a full-stack donation platform.
- Rebuilt 20+ responsive screens on Next.js server-side rendering and TypeScript, lifting Lighthouse performance scores 25% and cutting load times on low-bandwidth mobile traffic.
- Streamed AI-generated support replies to the frontend over Server-Sent Events (SSE), replacing wait-for-full-response delay with token-by-token output and automating tier-1 support.
- Shipped a React/TypeScript and Express.js lab reservation system for Ammar Telidji University, cutting scheduling conflicts for 100+ students across 2 departments.
- Led delivery of a kindergarten childcare management app, translating client requirements into scoped tickets and assigning work across developers and designers through launch.

PROJECTS

Cognacia | *Next.js, React, TypeScript, Supabase* | [Live Demo](#) | [GitHub](#) | *Freelance Contract*

May – Jul 2025

- Delivered a full-stack e-learning platform on Next.js, React, and Supabase inside a 3-month contract, with role-based access control separating 150+ student and 25+ teacher permissions.
- Offloaded 400+ video and image assets to Bunny CDN at a 99% delivery success rate, moving media out of the request path and off the application server.
- Automated onboarding, password resets, and teacher approvals with Node.js and Nodemailer transactional email, with no reported delivery failures since launch.

Rihanna. | *Next.js, React, TypeScript, Supabase* | [Live Demo](#) | *Freelance Contract*

Sep – Nov 2025

- Shipped a production e-commerce storefront for an Algerian fashion brand with multi-variant inventory (size/color), dynamic discounts, and real-time filtering, now live and serving customers.
- Engineered a dual-branch admin panel with real-time stock synchronization, eliminating manual inventory reconciliation between two physical stores.
- Implemented end-to-end delivery tracking from checkout through fulfillment, letting the client run daily operations without developer support.

EDUCATION

Ammar Telidji University

Laghouat, Algeria

Master's in Computer Science, Cyber Security

Sep 2022 – Sep 2027 (*Expected*)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Python, Bash, HTML/CSS

Frontend: React.js, Next.js, TanStack Start, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, Nest.js, TypeORM, REST APIs, WebSockets, WebRTC, OAuth2/JWT

Database: PostgreSQL, MongoDB, Supabase, Redis

Testing: Jest, Vitest, React Testing Library

Tools & DevOps: Git, Docker, AWS, CI/CD, Postman, Swagger, Jira, Vercel, Linux, Agile/Scrum