

Ferhat Mohamed Tahar

Full Stack Software Engineer

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Skills

Languages: JavaScript, TypeScript, SQL, Python, Bash

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

Backend: Node.js, Express.js, Nest.js, TypeORM

Database: PostgreSQL, MongoDB, Supabase, Redis

Testing: Jest, Vitest, React Testing Library

Tools: Git, Docker, Postman, Swagger, Jira, Vercel, Linux, CI/CD

Experience

Full Stack Engineer, Ipractis

Dec 2025 – Present

- Built a Next.js and TypeScript tutoring marketplace from the ground up to power the core authentication, booking, and interactive lesson engine systems.
- Integrated Stripe and Google Calendar APIs into the platform backend to process secure user payments and automate one-on-one lesson scheduling.
- Designed Next.js API routes and smart data fetching strategies to fully decouple the frontend components from backend logic, optimizing data flow and system maintainability.
- Built React.js admin control dashboards to centralize platform management, enabling staff to easily handle lesson reschedules, and resolve client disputes, and process refunds.

Full Stack Engineer, Omed

Feb 2024 – Mar 2025

- Architected Nest.js backend systems for the Akkadli project by building the order and product management infrastructure to drive core e-commerce operations.
- Engineered 20+ responsive frontend screens using Next.js server-side rendering and TypeScript, achieving a 25% improvement in Lighthouse performance scores.
- Integrated AI chat functionality directly into the application to automate user support and increase overall platform engagement.
- Built and deployed a full-stack lab reservation system using React/TypeScript and Express.js for the University of Amar Telidji to manage resource scheduling, reducing booking conflicts for 100+ students across 2 departments.

Projects

Cognacia, Paid Freelance Contract

[Live Demo](#) | [GitHub](#)

- Engineered a full-stack e-learning platform with React.js, Next.js, and Supabase, serving 150+ students and 25+ teachers with RBAC implementation.
- Integrated Bunny CDN to facilitate seamless video and image uploads, handling 400+ media files with a 99% delivery success rate.
- Deployed an email notification system using Node.js, Nodemailer with Gmail SMTP, delivering welcome emails, password reset links, and teacher approval/rejection notifications with 100% deliverability rate.

Teleaustism, Personal project

[Live Demo](#) | [GitHub](#)

- Launched a telemedicine platform using Next.js and Supabase to connect doctors and patients for autism care, actively supporting 10+ doctors and 20+ patients.
- Created comprehensive patient profile systems using React/TypeScript to enable doctors to track medical notes and collaborate with other specialists for improved care coordination.

Education

Ammar Telidji University – Master's in Computer Science, Cyber Security

Sept 2022 - Sept 2027