

Ferhat Mohamed Tahar

Software Engineer

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GitHub: github.com/Ferhatmedtahar

Portfolio: ferhatmedtahar.pro | Location: **Laghouat, Algeria**

Summary

Software Engineer with over a year of hands-on experience building responsive, user-focused web applications. Proficient in front-end technologies like **React.js**, **Next.js**, and **TypeScript**, as well as back-end development using **Node.js**, **Nest.js**, and **PostgreSQL**. Passionate about software design, clean architecture, and working collaboratively in agile environments to solve real-world problems through technology.

Work Experience

Back End Engineer | Omed | December 2024 – March 2025 [Github Link](#)

- Built and maintained secure backend solution for product and order management using **Nest.js**, **TypeScript**, **PostgreSQL**, and **TypeORM**.
- Designed and documented RESTful APIs with **Swagger** and **CompoDoc**, helping front-end teams reduce integration time by 20% and improving team collaboration.
- Followed **Agile Scrum methodology**, participating in daily stand-ups and task planning using **Jira**, which helped align team progress and reduce blockers.
- Implemented robust authentication and authorization middleware to protect sensitive data and ensure compliance with security standards.

Full Stack Developer | Omed | September 2024 – November 2024 [Github Link](#)

- Developed a secure backend API for a gym e-commerce platform using **Express.js**, **MongoDB**, and **Mongoose**, with features like product and order management.
- Documented APIs using **OpenAPI-style** standards to ensure clear backend–frontend collaboration.
- Worked in an **Agile Scrum** team, using **Jira** for stand-ups, task tracking, and sprint planning.
- Collaborated with the **Next.js frontend team** to integrate APIs, resolve bugs, and optimize performance.

Full Stack Developer | Omed | February 2024 – June 2024

- Developed a reservation system for **University of Amar Telidji** to manage lab bookings, scheduling, account settings, and secure login (University email/password).
- Implemented virtualized labs and scheduling features.

- Used **JavaScript**, **HTML**, **CSS**, and **PostgreSQL** to build the system, which is currently in use by university departments and hosted on the local university network.
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Projects

E-Learning Platform | Freelance | April 2025 – June 2025 [Live Demo](#) | [Github Link](#)

- Developed a full-stack e-learning platform using **Next.js** and **Supabase**, implementing Role Based Access Control (**RBAC**) for teachers, students, and admins.
- Integrated secure authentication and video uploads to **Bunny CDN**.
- Designed and implemented a custom recommendation algorithm based on student preferences, increasing user engagement.
- The platform is actively used by over 25 teachers and 150 students.

Mentorly | Personal Project | December 2024 [Live Demo](#) | [Github Link](#)

- Created a responsive web application with **Next.js** and **Supabase** for mentor-mentee matching.
- Implemented real-time project listings, authentication, allowing users to pitch ideas, connect with mentors, and collaborate on open-source or startup projects.

AudioLux | Personal Project | June 2025 [Live Demo](#) | [Github Link](#)

- Designed and developed a sleek, AirPods-themed landing page using **Next.js**, **Tailwind CSS**, and **GSAP** to highlight advanced front-end animation skills.
 - Focused on delivering smooth, interactive animations that enhance user engagement and brand feel.
 - Built with clean, responsive layout and scalable codebase, making it easily extendable into a full-featured e-commerce site.
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Technical Skills

- **Languages:** JavaScript, TypeScript, HTML, CSS, SQL, Bash, Python
 - **Frameworks:** Next.js, React.js, Express.js, Nest.js, Node.js, Tailwind CSS, Jest
 - **Database:** PostgreSQL, MongoDB, Supabase, Redis, Neon
 - **Tools Used:** Git, GitHub, Vite, Postman, Swagger, Docker, VS Code, Linux, Vercel, Netlify, CI/CD
 - **Coursework:** Data Modeling, REST API Design, E2e, Unit tests, Computer Networks, Object-Oriented Programming, Operating Systems
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Education

• **Master in Computer Science, Cyber Security** University of Amar Telidji
September 2022 – September 2027

- **Languages:** English (Proficient), Arabic (Native), French (Familiar)