

Houssein Msallem

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Software Engineer

Software Engineer freshly graduated based in Tunisia. Specialized in Full-stack Web development and Software Architecture. Quick to adapt to new and different technologies. I bring a fresh perspective and out-of-the-box thinking to modern architectures, combining my eager-to-learn mindset with the long-term potential to anchor and lead future projects.

WORK EXPERIENCE

Aivoteam • Tunisia (Remote) • 03/2026 - 06/2026

A forward-thinking digital solutions and IT outsourcing agency specializing in AI automation, full-stack web development, SEO optimization, and digital advertising strategies.

Software Engineer • Internship

- **Conceptualized, architected, and engineered AivoMed**, a comprehensive medical SaaS platform empowering clinic owners to streamline resource management and operations.
- **Designed and implemented robust multi-tenant management systems** enabling administrators to seamlessly coordinate schedules, roles, and access control for doctors, secretaries, and patients.
- **Built an end-to-end online patient booking system**, reducing scheduling friction and automating real-time appointment coordination.
- **Developed automated analytical dashboards** that process clinic data to provide owners with actionable insights on resource utilization and operational metrics.
- **Designed and optimized relational data models** to ensure strict data integrity, secure medical record handling, and high-performance querying under heavy application loads.
- **Partnered with cross-functional stakeholders** to translate complex clinical workflows into intuitive, production-ready software features.

DabbaDabba • Monastir, Tunisia (Remote) • 06/2025 - 09/2025

DabbaDabba is a specialized immigration and visa logistics agency providing end-to-end documentation, legal compliance, and administrative services to streamline global mobility for clients.

Full-Stack Web Developer • Internship

- Developed a Visa Office Management System using NestJS, Next.js, and PostgreSQL, featuring client management, financial tracking, and employee administration.
- The full-stack application includes role-based access control, real-time payment processing, and document management, streamlining visa application workflows.
- Additional technologies used were: Prisma ORM, Tailwind CSS, and shadcn/ui components.
- Implemented automated financial calculations, and responsive UI for optimal user experience

CCME • Tunisia (Remote) • 07/2025 - 07/2025

An established electrical retail and wholesale provider serving commercial and industrial sectors across Tunisia with end-to-end hardware solutions.

Web Developer • Freelancer

- **Platform Enhancement:** Co-led the optimization of ccme.tn, identifying and eliminating critical UI bugs.
- **Data Migration & Integrity:** Developed scripts and workflows to clean and parse legacy CSV catalogs, preventing data corruption and enabling smooth integration into the application layer.
- **Release Management:** Directed the full deployment pipeline from local development to Netlify.

EDUCATION

Bachelor's in Computer Science

ISAMM Higher Institute of Arts and Multimedia Manouba • Manouba, Tunisia • 09/2023 - 06/2026

CERTIFICATIONS

JavaScript : The Hard Parts, v2 • 08/2025

Frontend Masters

Deep Javascript Foundations, v3 • 08/2025

Frontend Masters

PROJECTS

Fullstack Blog Platform • 09/2024 - 11/2024

Personal Project

Developed a full-featured, responsive blog application from scratch, leveraging a **React** frontend (**ChakraUI**, **CSS Modules**) for dynamic content rendering and intuitive article management. Built a secure and scalable **RESTful API** using **Node.js**, **Express**, **PostgreSQL**, and **Prisma ORM** to handle user authentication, post creation, and relational data management.

VOLUNTEERING & LEADERSHIP

Jeunes Ingénieurs ISAMM Club • 01/2024 - Present

Member

- Collaborated with team members to organize tasks, resolve obstacles, and assign roles effectively.
- Actively participated in club activities and contributed to recruiting new members.
- Supported the team through hands-on involvement, coordination, and ongoing encouragement.

SKILLS

Bash, Code Generation, Code Review, Coding, Docker, Full-Stack Development, Git, JavaScript, NestJS, Nextjs, Node.js, PostgreSQL, React, Typescript

Languages: Arabic (Native), Chinese Mandarin (Beginner) , English (Fluent), French (Conversational), Russian (Beginner)