

Med Jalel Masmoudi

AI Software Engineer | Full-Stack Developer

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Education

International Institute of Technology (IIT)

B.Sc. in Computer Science, Third-Year Student

2023 – Present

Sfax, Tunisia

Experience

MTD Group Tunisia

AI Software Engineering Intern

2026 – Present

Sfax, Tunisia

- Developing Jigo AI Workspace, an enterprise AI platform that brings AI-assisted search, document intelligence, and workflow support into business operations.
- Building full-stack features with React, TypeScript, FastAPI, and PostgreSQL, including report generation and ERP-oriented workflows.

KothonTech GmbH

Web Development Intern

Jul 2025 – Sep 2025

Remote, Munich, Germany

- Developed responsive React interfaces, assisted with backend features and database integration, and tested/debugged application issues.

Freelance

Web Developer

2024 – Present

Sfax, Tunisia

- Delivered responsive websites and web applications for clients, from requirements gathering and interface development through deployment.

Projects

Jigo AI Workspace | *React, TypeScript, FastAPI, PostgreSQL, AI APIs*

2026 – Present

- Designing a modular enterprise AI workspace for natural-language data search, document processing, automated reports, and business workflow assistance.

Masmo – Enterprise Investigation Agent | *LangGraph, FastAPI, React, NetworkX*

2026

- Built a multi-agent investigation workflow and organizational knowledge graph to connect projects, incidents, infrastructure, and documentation, producing explainable reports during the RAISE Summit Hackathon.

LeadTN | *React, JavaScript, APIs*

2024

- Built a lead-generation tool that searches and filters Google Maps business prospects by category and location.

Technical Skills

Languages: Python, TypeScript, JavaScript, Java, SQL, C#, PHP, C++

Frontend: React, TanStack Start, Next.js, Tailwind CSS, HTML/CSS, Vite

Backend & Data: FastAPI, REST APIs, PostgreSQL, MongoDB, MySQL, pgvector, JWT

AI: LangGraph, OpenAI API, Gemini API, Agentic AI, RAG, Tool Calling, Knowledge Graphs

Tools: Git, GitHub, Docker, GitHub Actions, Cloudflare Pages

Spoken Languages: Arabic (Native), English (Professional), French (Professional)

Certifications & Activities

AWS Certified Cloud Practitioner; MongoDB Associate Developer; GitHub Foundations; GitHub Actions; Google Cloud Generative AI Fundamentals; MongoDB AI-Powered Search with Vector Search. IEEE Student Member.