

YOUSSEF JAKIMI

Morocco

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Profile

First-year Software Engineering & AI student (FST Errachidia) with hands-on production experience: multi-tenant SaaS platform, multilingual conversational AI agent, and WhatsApp/Twilio integrations. Proficient in Java/Spring Boot, Python/FastAPI, and PHP/Laravel. Trilingual (FR/AR/EN). **Currently seeking a summer internship of at least 1 month** (available from June 2026).

Education

State Engineering Degree **Oct. 2025 – Present**
FST Errachidia – 1st Year Software Engineering & AI *Errachidia, Morocco*

University Technology Diploma (DUT) **Sept. 2023 – June 2025**
EST Fès – Computer Engineering *Fès, Morocco*

Experience

Back-End Development Intern **Apr. – June 2025**
Provincial Delegation of Health and Social Protection *Sefrou, Morocco*

– Requirements analysis and development of an intranet mail management platform using Spring Boot and REST API + JWT.

Full-Stack Development Intern **July 2024**
Provincial Delegation of Health and Social Protection *Sefrou, Morocco*

– Web application for IT equipment management (Laravel): CRUD operations, complaint tracking, and authentication.

Projects

Dental AI – SaaS & AI Agent for Dental Clinics | *Python, React, PostgreSQL, Redis* **2025 – Present**

- Designed and deployed a **production SaaS platform** managing multiple dental clinics with row-level data isolation on a shared PostgreSQL database.
- Developed a **conversational AI agent** (LangGraph + GPT-5.4) handling patient WhatsApp messages in **4 languages** (Darija, French, Arabic, English): appointment booking, cancellation, rescheduling, and emergency triage.
- Integrated **Twilio and Meta WhatsApp Cloud API** with provider abstraction, Fernet-encrypted per-clinic credentials, and Redis rate limiting (sliding window).
- Built a **React dashboard** (analytics, usage-based billing, onboarding) with JWT auth, real-time WebSocket, and observability via trace.id on structured JSON logs.

E-COURRIER – Administrative Mail Management | *Spring Boot, MySQL* **Apr. – June 2025**
– Back-end with JWT authentication, mail/user management, and REST API for front-end integration.

YR HOTELS – Hotel Booking Application | *Laravel, MySQL* **Oct. 2024 – Apr. 2025**
– Multi-service booking system (hotel, restaurant, spa) with a real-time admin dashboard.

IT Equipment Management | *Laravel, MySQL* **July 2024**
– Full CRUD, complaint tracking, and UML/database modeling.

Skills & Certifications

Languages: Python, Java, PHP, JavaScript, SQL, C/C++, HTML/CSS.

Frameworks & Tools: FastAPI, LangGraph, Spring Boot, Laravel, PostgreSQL, Redis, Docker, Git, Linux.

AI & Integrations: LLM orchestration (GPT-5.4/o3), prompt engineering, RAG, WhatsApp Cloud API, JWT, WebSocket.

Certifications: GCP Core Infrastructure · Intro to Docker · JUnit · Fundamentals of Building AI Agents – IBM.

Involvement & Soft Skills

- **Volunteering:** Rotaract EST Fès – media manager (video, photography, social media); handled visual communication for community events.
- **Communication & Leadership:** Trilingual (FR/AR/EN) · technical project coordination · autonomous in production environments · collaboration in multidisciplinary teams.