

SUMMARY

Software engineer focused on AI powered full stack web application development. Built internal tools (asset tracking, invoice automation) and full-stack products end-to-end, from APIs and data to UX and deployment.

EDUCATION

- **University of Béjaïa** Béjaïa, Algeria
Master's in Computer Science (Software Engineering) Sep 2020 – Jul 2025
Graduation project conducted within the university startup incubator; graded **20/20**

EXPERIENCE

- **Algérie Télécom** Béjaïa, Algeria
IT Intern Apr 2024 – May 2025
 - AI Powered IDP solution for assets labels, normalized Excel inventories for Active Directory import
 - Reduced manual re-typing by $\sim 65\%$; unified device registration formats
 - $\sim 1,200$ assets/month processed; Reduced AD import errors by $\sim 45\%$
- **Cevital Agro-Industrie** Béjaïa, Algeria
Software Engineering Intern Mar 2025 – May 2025
 - Payment request management rebuilt with Laravel and React; modernized approval flows
 - AI-powered invoice processing (Gemini Flash); automated field extraction/validation
 - Reduced processing time by $\sim 60\%$ (median 30 to 12 hours); reduced defect rate by $\sim 40\%$

PROJECTS

- **Local RAG** github.com/youcefzaid/local-rag
 - Stack: Gemma 3, FAISS; hybrid retrieval (semantic + syntactic)
 - Metric: Improved exact-match @ 5% $\rightarrow$ 45% ($\sim 9\times$)
 - Scale: 200 queries across 3,200 documents
- **Hisabi** hisabi.youcefzaid.me
 - Stack: Laravel, React, PostgreSQL
 - Features: Multi-tenant, Emailing, Payment integration
 - Ops: Dockerized deployment; CI via GitHub Actions

SKILLS

- **Backend:** Python, TypeScript, FastAPI, Flask, Express, Laravel
- **Frontend:** React, Next.js, TailwindCSS
- **AI:** LangChain, LangGraph, LlamaIndex
- **Databases:** PostgreSQL, MongoDB, Redis, ChromaDB
- **DevOps:** Git, GitHub, GitHub Actions, Docker, Linux

CERTIFICATIONS

- **TCF SO (French)** Sep 2025
Level **C1** (**534** points)