



Achraf MALKI

Software Engineering · ERP & Systems Integration · Cloud & Applied AI

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PROFILE

Final-year engineering student at EMSI Rabat, specializing in Digital Development and Information Systems, with a focus on software engineering, Java/Spring Boot, ERP, and systems integration. **Hands-on professional experience across four distinct settings: a multinational IT services company, a Belgian technology company, a Moroccan B2B industrial company, and the public sector.** Experience spanning business application development, ERP and API integration, data analysis, and applied AI. Seeking a six-month final-year internship (PFE) starting in February 2027, with the prospect of full-time employment.

PROFESSIONAL EXPERIENCE

Software Engineer, AI & Cloud Architecture | Nortis Studio

Jan. 2026 – Present

Freelance · Belgium, remote

- Develop backend services and automate business workflows for B2B applications using Python and API integrations.
- Responsible for implementing, testing, and delivering application and AI features in coordination with stakeholders.

Full-Stack Software Engineer, ERP Integration | Chamiong

Nov. 2025 – Present

Freelance · Rabat, remote

- Designed and deployed a multilingual corporate website to production; developed an ERP-connected B2B platform delivered to a user acceptance testing (UAT) environment.
- Integrated applications and business data through APIs, performed functional validation, and supported releases.

Engineering Intern, BI & Business Applications | DXC Technology Morocco

Jul. – Sep. 2026

Internship · Technopolis, Rabat

- Designed a skills monitoring and reporting solution for application support (RUN) teams, from data preparation to decision-support indicators.
- Reverse-engineered reports, conducted data quality checks, analyzed issues, and prepared technical documentation using Power BI, Power Query, and DAX.

ERP Development Intern, Odoo / Python | General Secretariat of the Government

Jul. – Aug. 2025

Internship · Rabat

- Integrated Odoo 17 and developed Python components for sales, purchasing, inventory, MRP, accounting, and HR processes.
- Conducted gap analysis and BPMN process modeling; worked on functional and technical specifications, access control, data migration, and documentation.

ENGINEERING PROJECT

Previzma | B2B sales analytics and forecasting platform based on business and ERP data. Java 21, Spring Boot 3.5, Angular 22, PostgreSQL, and Python/FastAPI. Modular monolith backend with access control, REST APIs, and a separate analytics service for forecasting and simulations.

TECHNICAL SKILLS

Backend & APIs: Java / Spring Boot, Python/FastAPI, Node.js, C#/ASP.NET Core, REST, JPA, Spring Security, JSON-RPC
ERP & Business Processes: Odoo 17, SAP (fundamentals), process analysis, gap analysis, BPMN, functional and technical specifications

Frontend: Angular, React / Next.js, TypeScript, JavaScript, Sanity CMS

Data & AI: PostgreSQL, SQL, Oracle, SQL Server, Power BI/DAX, LLM/RAG, pgvector, n8n

DevOps & Tools: Docker, Git/GitHub, GitHub Actions, CI/CD, Linux, AWS

EDUCATION

Engineering Degree Program in Computer Science and Networks | EMSI Rabat

2022 – 2027

Final year · Specialization in Digital Development and Information Systems

CERTIFICATIONS & ADDITIONAL TRAINING

Oracle Certified Professional: Java SE 17 Developer · SAP Professional Fundamentals · AWS Cloud Technical Essentials · Google Agile Project Management · HarvardX CS50 & SQL

LANGUAGES & TRANSFERABLE SKILLS

Languages: Arabic (native) · French (professional proficiency) · English (professional proficiency)

Transferable Skills: Communication with diverse stakeholders · Teamwork and active listening · Attention to detail, documentation, and deliverable quality