Salah KHADIR

Software Engineering Student — Seeking End-of-Studies Internship (Starting Feb 2027)

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PROFILE

Final-year engineering student at EMSI Rabat, specializing in Digital Development and Information Systems, with a focus on backend development using Spring Boot and FastAPI, and CI/CD automation. Oracle Cloud Infrastructure certified — DevOps and Architect Professional. Seeking a 4–6-month end-of-studies internship starting February 2027.

EDUCATION

State Engineering Degree in Computer Science and Networks (DDSI) **2024 – Present**
Moroccan School of Engineering Sciences (EMSI) *Rabat*

Specialized Technician Diploma in Full-Stack Web Development **2022 – 2024**
Specialized Institute of Applied Technology (ISTA) *Errachidia*

PROFESSIONAL EXPERIENCE

DevOps Intern **July 2026 – September 2026**
Capgemini Engineering Morocco *Casablanca*

- Designed a 6-stage GitLab CI/CD pipeline for a Design Platform orchestrating 9 generative AI microservices, a Python/FastAPI backend, PostgreSQL, MinIO, and a React/Vite frontend.
- Integrated shift-left controls (Semgrep SAST, Gitleaks, dependency audits, double Trivy scanning) detecting 32 vulnerabilities prior to deployment.
- Optimized pipeline execution time to 4m42s (-19.7% latency reduction) via DAG parallelization and automated deployments without SSH.

Full-Stack & AI Intern **July 2025 – August 2025**
Compagnie Générale Immobilière (CGI) *Rabat*

- Developed a React/FastAPI chatbot with MySQL persistence for PDF and CV analysis through the Gemini API.
- Implemented JWT authentication, conversation history, document-context follow-up questions, and permission checks for a restricted CV folder.

Full-Stack Web Developer Intern **April 2024**
Guir-Ziz-Rheris Hydraulic Basin Agency *Errachidia*

- Developed a water-police inspection management application with Laravel API endpoints and a React interface, covering provinces, communes, and inspectors.
- Implemented inspection entry and consultation, with input validation and database persistence for inspection records, locations, and related actions.

MAJOR PROJECTS

TicketHub *Spring Boot, Next.js, MySQL, Spring Security*

- IT incident management platform structured as a monorepo, featuring modular architecture, RBAC, and stateless JWT authentication.
- Implemented priority-based SLA deadlines, scheduled warning logs, ticket assignment, and real-time notifications via SSE.

BibloNova *Spring Boot, React, Docker, Gemini AI*

- Digital library developed collaboratively with a teammate, with book catalog management, JWT role-based access, favorites, reading history, and Docker Compose.
- Integrated Gemini with catalog-title context and favorite-based recommendations, validating suggested titles against the catalog.

SKILLS

Languages:	Java, Python, TypeScript, JavaScript, SQL, PHP
Backend / Frontend:	Spring Boot, FastAPI, Django, Laravel, React, Next.js
DevOps / Cloud:	Docker, GitLab CI/CD, GitHub Actions, Linux, Kubernetes, Terraform, OCI
Databases:	PostgreSQL, MySQL, MongoDB, Oracle DB
Soft Skills:	Problem-solving, Teamwork, Adaptability, Technical Communication

CERTIFICATIONS

- **OCI DevOps Professional** (1Z0-1109-26)
- **OCI Architect Professional** (1Z0-997-26)
- **Java SE 17 Developer** (1Z0-829)

LANGUAGES

Arabic (Native) • French (Professional Working) • English (Fluent)