

Jacem Sghaier

Software Engineer | Full-Stack & Cloud-Native

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PROFESSIONAL SUMMARY

Fresh Software Engineer graduate (Class of 2026) with five roles in Full-Stack, Cloud, and Platform Engineering. Built and shipped microservices in Java and Python, cut VM provisioning time by 40% through Terraform automation, and kept production systems at 99% uptime.

PROFESSIONAL EXPERIENCE

Software Engineer Intern

Jan. 2026 – Jul. 2026

LittleBig Connection — Ariana, Tunisia

- Migrated legacy GWT monolith components (Java 11) to Spring Boot microservices via the Strangler Fig pattern, applying DDD, SOLID, and hexagonal architecture with an Angular frontend across 4 bounded contexts.
- Resolved 60+ bug tickets in the legacy GWT system during the migration, while implementing new Java 11/21 microservices and integrating LLM-based agents to automate internal workflows.
- Reached 85%+ test coverage with JUnit 5 and Mockito on backend services, and Karma/Jasmine on Angular components; delivered features end-to-end via GitLab CI/CD, integrating external services such as Brevo, across MongoDB and SQL datastores in an agile environment.

Cloud Engineer Intern

Jun. 2025 – Aug. 2025

Ooredoo Tunisia — Tunis, Tunisia

- Developed a FastAPI backend on PostgreSQL to collect and expose real-time infrastructure metrics — including CPU, memory, and storage — across the organization's vSphere datacenter.
- Created a ReactJS dashboard giving infrastructure teams a unified, real-time view of key infrastructure metrics across the vSphere datacenter.
- Automated VM provisioning with Terraform and Docker, cutting provisioning time from ~70 min to ~42 min (40% reduction).

Full-Stack & Platform Engineer

Mar. 2025 – Jul. 2025

YonnovIA — Remote, Part-time

- Administered a dedicated server and orchestrated containerized services with Kubernetes and Docker, keeping the company's Odoo-based production environment running reliably.
- Engineered custom Odoo/Python modules and integrated third-party APIs with a ReactJS frontend.
- Improved delivery velocity by ~20% via a structured Git branching strategy and optimized CI/CD pipelines.

Software Engineer Intern

Jun. 2024 – Aug. 2024

EuroMed Innovation — Marseille, France

- Delivered a digital maturity assessment platform end-to-end across 3 layers — Spring Boot API, ReactJS frontend, MySQL database — deployed to production on a VPS via Docker.
- Achieved 99% uptime and cut mean incident resolution time by ~25% through monitoring tooling.

Software Programmer

Sep. 2022 – Jun. 2023

VERMEG — Tunis, Tunisia — Full-time

- Fixed production bugs in COLLINE, a mission-critical financial product (Java 8/11, JavaScript, JSP), reducing release defects by ~15% through disciplined Git workflow and code review.

EDUCATION

Engineering Degree in Computer Science — ESPRIT, Tunis

Sep. 2023 – Jul. 2026

Bachelor's Degree in Software Engineering — ISI Mahdia

Sep. 2019 – Jun. 2022

CERTIFICATIONS

- AWS Academy Graduate — Cloud Operations — Amazon Web Services
- CCNA — Switching, Routing, and Wireless Essentials — Cisco
- Hashgraph Developer Course — The Hashgraph Association

PROJECTS

El-Vitrina

2024 – 2025

Spring Boot • Angular • OpenStack • Kubernetes • Helm • Prometheus • Grafana • Python/AI

- Designed a private cloud infrastructure on OpenStack from scratch, managing instances, networks, and security groups.
- Built a full-stack web application integrating Python AI models, spanning 6+ tools across orchestration and monitoring layers (Kubernetes, Helm, Prometheus, Grafana); automated cluster management and set up end-to-end monitoring.

SKILLS

Architecture: Microservices, DDD, Hexagonal Architecture, Strangler Fig, SOLID, REST APIs

Backend: Java (8/11/21), Spring Boot, Python, FastAPI, Laravel, Symfony, Odoo, LLM API Integration

Frontend: Angular, ReactJS, JavaScript, HTML, CSS

Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, OpenStack, Jenkins, GitLab CI/CD, Prometheus, Grafana, Linux, Git

Databases: MySQL, PostgreSQL, MongoDB

LANGUAGES

Arabic: Native | French: Fluent | English: Fluent