

ILYASS CHAKROUN

Sfax, Tunisia | +216 29899385 | aliasabdelkader@gmail.com | github.com/owek4ever | linkedin.com/in/ilyass-chakroun-a920151a5 | owek4ever.github.io

SUMMARY

Software engineering student (ESPIN, graduating June 2026) with hands-on experience independently designing and shipping production-grade systems: a full three-part Dolibarr ERP fleet-management ecosystem (backend module, internal chat system, and React Native driver-tracking app) and a PHP/MySQL employee management portal. Comfortable across the stack, from RESTful API design and ERP customization to cross-platform mobile development, distributed scraping systems, and AI-driven analytics pipelines.

EXPERIENCE

Software Engineering Intern (PFE)

Feb 2026 – Jun 2026

Optimalogistic — Sfax, Tunisia

- Independently designed and built a three-part fleet management ecosystem on Dolibarr ERP/CRM — Flotte (backend module), ChatFlotte (internal chat system), and DoliTrack (React Native/Expo driver-tracking app).
- Built the Flotte module end-to-end: vehicle, driver, customer, vendor, and spare-part management; booking, fuel-log, inspection, and work-order tracking; expense tracking and reporting — implemented as RESTful API endpoints on Dolibarr's native module architecture.
- Added Firebase push notifications, cron-based service/maintenance alerts, and a live vehicle-tracking map view.
- Developed DoliTrack (React Native/Expo, TypeScript) with Google Maps integration and Expo Push Notifications for real-time driver location tracking, syncing with the Dolibarr backend via REST APIs.

Software Engineering Intern

Jul 2025 – Sep 2025

Tunisie Telecom — Sfax, Tunisia

- Built the Employee Portal Management System, a PHP/MySQL web application for employee profiles, internal announcements, and communication.
- Implemented secure authentication (PHP sessions, PDO prepared statements), a session-controlled employee dashboard, AJAX-driven content loading, and a file-upload system.

Software Engineering Intern

Jul 2026 – Sep 2026

Ceram Square Hmmami Sodimac — Sfax, Tunisia

- Independently designed and built MarketIntel, a distributed competitive-intelligence platform that crawls competitor e-commerce and social media presences and surfaces scored market signals through an analytics dashboard.
- Built a horizontally-scalable stealth scraping cluster (Python, Playwright, SeleniumBase) with a Redis-backed job queue, dead-letter handling, and Prometheus metrics, coordinated through n8n-orchestrated pipelines and a rotating proxy manager.
- Developed a multi-perspective "LLM Council" AI analysis layer and a multilingual (FR/EN) vector-embedding service (FastAPI, sentence-transformers) for market, SEO, social, and performance scoring, backed by PostgreSQL with TimescaleDB and pgvector.
- Built the dashboard backend (FastAPI, JWT auth, async PostgreSQL) and frontend (Next.js, React, TypeScript, Tailwind CSS), delivering crawl operations, reporting, and analytics views.

EDUCATION

Bachelor's Degree (License) in Software Engineering

Jun 2026

ESPIN — École Supérieure Polytechnique Internationale Privée, Sfax, Tunisia

TECHNICAL SKILLS

Languages: PHP, Python, Java, JavaScript, C++

Frameworks & Platforms: Dolibarr ERP/CRM, React Native / Expo, Django, FastAPI, Next.js / React, n8n

Data & APIs: MySQL, MariaDB, PostgreSQL (TimescaleDB, pgvector), Redis, RESTful API design, OOP

Tools: Docker, Git, npm, Linux, Playwright

Spoken Languages: Arabic (Native), English (Proficient), French (Intermediate)