

FAHMI KAHLAOU

Full Stack Developer

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PROFIL

A passionate full-stack software developer with solid experience in the design and development of web applications. With a track record of projects built using Odoo, Django, React, and more recently .NET 8, I combine technical expertise with analytical skills to design high-performance, scalable, and customer-centric solutions. Known for my attention to detail, adaptability, and team spirit, I am eager to contribute to the success of an innovative organization by applying my skills in backend and frontend development and cloud integration (AWS) within an agile and collaborative environment.

SKILLS

- **Programming languages :**
Python - JavaScript - C# - TypeScript
- **Frameworks :**
.NET 8 - Odoo (Python & Javascript Frameworks) - Django
- **Architectures & Design Patterns :**
Clean Architecture - Domain-Driven Design (DDD) - CQRS - Repository Pattern - Microservices
- **Backend .NET:**
ASP.NET Core - Entity Framework Core - Dependency Injection - MediatR - Carter - FluentValidation - RabbitMQ
- **Databases :**
PostgreSQL - MySQL
- **Cloud & DevOps :**
AWS (EC2, EB, S3, SES, Lambda) - Docker - CI/CD - Ansible - Git - Github Actions
- **Web development :**
HTML - CSS/SCSS - React.js - jQuery - Bootstrap - Material UI - REST APIs - Mobx - Vite - Webpack - Nginx - gRPC - Redis
- **Tools & environments :**
Linux - VSCode - Flake8 - Autopep8 - Prettier - ESLint - NodeJS - Claude Code
- **Project management :**
Jira - Redmine - Kanban - Agile
- **Languages :**
French - Advanced
English - Advanced-Intermediate

PROFESSIONAL ACHIEVEMENTS

- ✓ **Ticket Management Module - .NET 8 / React / AWS**
Full ticket management and tracking module for an internal app at a cleaning services company.
 - Backend with .NET 8 — Clean Architecture, Repository Pattern, Entity Framework Core.
 - Frontend in React / TypeScript with a modern, reactive UI.
 - AWS integration: EC2, RDS, S3 (file storage), SES (email notifications), Lambda (ticket creation from incoming emails).
 - Unit and integration tests.
 - CI/CD pipeline via Git, GitHub Actions and Docker Compose.
 - Agile environment (Jira, Scrum).

✓ **ERP Migration from « INFOR » to « Odoo »**

Full ERP migration for an industrial wood distribution company (Corabois SA) from INFOR to Odoo.

- Analysis of existing business processes under INFOR and modelling of target flows in Odoo.
- Customization of Inventory, Warehouse, Invoicing, Purchase, and Sales modules.
- Migration and transformation of historical data (items, partners, stock movements).
- Configuration of stock valuation rules, locations, and warehouse routes.

✓ **Odoo v7 (OpenERP) to Odoo v14 Migration**

Analysis of business logic changes, full backend and frontend code refactoring, migration of reports from Mako to QWeb, and optimization of functions and SQL queries.

Environment : Odoo (Python, JavaScript), Owl, PostgreSQL, Git, PL/pgSQL

✓ **Insurance Policy Management System - OpenERP**

Custom business modules: policy management, coverage, quote requests, commission visualization and comparison. Standalone Python application interfacing with Odoo via WebSocket for local scanner image acquisition.

Environment : Odoo (Python, JavaScript), WebSocket, PostgreSQL, QWeb, Services AWS (EC2, RDS, Lambda)

✓ **Analytical Dashboard - Odoo**

Design and development of a decision-support dashboard with KPIs and interactive charts, including data export to PDF and Excel.

Environment: Odoo, Python, JavaScript, PostgreSQL, PL/pgSQL, D3.js, XlsxWriter, QWeb

✓ **Odoo - Magento Connector :**

Optimization and extension of the connector API: improved endpoints, added mappings, automated synchronizations via Odoo Cron and FTP.

Environment: Odoo (Python, JavaScript), Magento API, ftplib, PostgreSQL.

PROFESSIONAL EXPERIENCE

Full Stack Developer

IT-Koncept Tunisia

2018 - 2024

- Analyze the functional and technical needs of clients in the retail, restaurant, brokerage, and e-commerce sectors.
- Design, develop, and customize Odoo modules (Sales, Inventory Management, HR, Invoicing, Accounting).
- Design analytical dashboards, custom reports (PDF/Excel), and interactive data visualizations.
- Develop scripts and scheduled tasks (Odoo Cron) for business process automation.
- Manage the Linux server infrastructure: system installation and configuration, dependency management, environment deployment, monitoring, and incident response.
- Collaborate with technical and functional teams using an agile approach, with a strong emphasis on code quality and documentation.

Stack: Odoo (Python & JavaScript), Django, PostgreSQL, Docker, Git, VSCode, template engines (QWeb, Mako), WebSocket, Ansible, AWS Services (EC2, RDS, Lambda)

FORMATION

AEC - Web Programming Technologies (Recognition of Acquired Competencies)

2025

Cégep Gérald-Godin - Montreal

Reference: Raouf Aouni, Technical coach, Email: r.ouni@cgodin.qc.ca

DESS - Industrial Engineering

2016

National Engineering School of Carthage - Tunisia (MIFI recognized)

Preparatory program for engineering studies - Maths and Physics

2013

Tunis Preparatory Institute for Engineering Studies - Tunisia