



# SOULAIMANE ELMANIOUI

## SOFTWARE ENGINEER

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### PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience specializing in full-stack web development. Proficient in Python (Django), JavaScript(React.js) and PHP (Symfony) frameworks. Demonstrated ability to deliver robust web applications while collaborating effectively in agile environments.

### PERSONAL PROJECTS

- **CLI Tool:** helps organize and backup my documents to the cloud.
  - **Technologies:** Python, SQLAlchemy, SQLite.
  - **Source code:** [link](#).
- **Multiplayer Cards Game:**
  - **Technologies:** Python, Django, Channels, Websockets, ASGI, Daphne, Redis, React.js, Docker & Docker Compose, VPS.
  - **Source code:** [link](#).
  - **Hosted version:** [link](#).
- **Tax automation platform:**
  - **Technologies:** Java EE, SpringBoot, Rest API, Swagger.
  - **Source code:** [link](#).
- **Desktop App for Pharmacies:**
  - **Technologies:** C#, Entity Framework, ADO.NET, Linq, SQL Server.
  - **Source code:** [link](#).

### PROFESSIONAL EXPERIENCE

#### INOSER MAROC

May 2024 - Present

Full-Stack Software Engineer (Full-time)

- **Developing high-performance Python SDKs to facilitate seamless API communication and usage, with a strong focus on code quality, efficiency, and an intuitive user experience, while closely collaborating with a team in Germany responsible for developing the APIs and managing the core product:**
  - Object-oriented programming (OOP).
  - Design patterns.
  - Asynchronous and concurrent programming using 'asyncio' and 'threads' built-in modules.
  - Ensuring strict type enforcement with 'Pydantic' library.
  - Security best practices.
  - Error handling and logging.
  - Testing using 'pytest' library.
  - Writing comprehensive documentation and user manuals to enhance developer experience and facilitate onboarding.
  - **Other libraries used:** Signlarcore, aiohttp, pydub, pyaudio, ffmpeg, sphinx.
  - **Other Technologies:** Swagger Editor, OpenAPI Spec, SonarQube.
- **Developing backend applications with Django and React.js:**
  - leveraging ASGI for asynchronous capabilities.
  - **Technologies:** daphne. Docker & Docker compose, Git & Gitlab.

#### MONARK IT

December 2021 - May 2024

Full-Stack Software Engineer (Full-time)

- **Collaborated with agile development teams with French POs/PMs to deliver innovative applications:**
  - **Technical Environment & Tools:**
    - Git, GitHub, GitHub Actions, SonarQube, Docker, Docker Compose.
    - **Project Management & Collaboration:** Scrum, Notion, Redmine, Slack, Google Calendar.
    - **Operating System:** Linux.

## EDUCATION

- **University of Science and Technology Settat**

Bachelors Degree in Software Engineering and Applications Development

## LANGUAGES

- **English:** BAND 7 IELTS
- **French:** B1
- **Arabic:** Native

## INTERESTS

- **Volunteering:** Former volunteer and team leader at AIESEC (non-profit)
- Attending tech events.
- Sports(Bodybuilding, Running).

### Professional Projects & Contributions:

- **Chatbot Generation Platform:**
  - Technologies: Python, Django, Websockets, PostgreSQL, UML.
- **Healthcare Process Management Platform:**
  - Technologies: Python, Django, Pytest, PostgreSQL, UML.
- **Team-lead: Alexa Skills Voice Assistant Departement:**
  - Technologies: Python, Django, Amazon (Lambda, S3, CloudWatch).
- **Transportation Quote Platform:**
  - Technologies: PHP, Symfony, JavaScript, MySQL, Cypress.
- **Franchise Management System:**
  - Technologies: PHP, Symfony, API Platform, React Native.
- **Medical E-learning Platform:**
  - Technologies: React Native, Typescript, Redux.
- **Pharmaceutical management Platform**
  - Technologies: PHP, Symfony, Api platform, React Native.

## WeConsult.ma

February 2021 - May 2021

Full-Stack Software Developer (Internship)

- **Development of a web application dedicated to the marketing of local businesses affected by the COVID19 pandemic.**
  - Technologies: JavaScript, JQuery, HTML5, CSS3, Github, Trello.

## ONEE

April 2020 - July 2020

Office National de l'Électricité et de l'Eau Potable

Full-Stack Software Developer (Internship)

- **Development of an intranet application for the management of tech equipment.**
  - Technologies: C#, Entity Framework, ADO.NET, Linq, SQL Server, Github