



# SOULAIMANE ELMANIOUI

## SOFTWARE ENGINEER

elmanioui.soulaimane@gmail.com +212693008991 Rabat, Morocco

### 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](#).
- **Muliplayer 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

#### INO SER 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 Department:
  - 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