



OUAFAE SAIM

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🌐 **Website:** <https://ouafcode.github.io/Portfolio-website/>

📍 **Home:** CASABLANCA (Morocco)

ABOUT ME

Background in providing advanced technical support for GIS software and drone technologies, including troubleshooting, user training, and solution implementation.

Recently completed an intensive **Software Engineering program**, gaining strong skills in backend development. Motivated to grow as a **software developer**, leveraging a mix of technical support expertise and practical programming skills to build robust, user-focused applications.

EDUCATION AND TRAINING

SOFTWARE ENGINEER - BACKEND SPECIALISATION

ALX PROGRAM [14/08/2023 – 10/10/2024]

City: Casablanca | Country: Morocco

GEOINFORMATION ENGINEER

Sciences and technologies Faculty [09/09/2014 – 27/07/2017]

City: TANGER | Country: Morocco

preparatory class for the engineering school -CPGE-

C.P.G.E Mohammed VI [09/09/2011 – 10/07/2014]

City: Kénitra | Country: Morocco

PROJECTS

E-commerce Website API

This project aims to build set of RESTful APIs for an e-commerce platform. These APIs will serve as the backend system that enables key functionalities of an e-commerce website, such as managing products, users, orders, payments, and reviews. The APIs will allow clients (such as web or mobile applications) to communicate with the server to perform various actions.

Technologies used :

- **Node.js, Express.js, MongoDB, Mongoose,**
- **JWT:** JSON Web Tokens for user authentication.
- **Bcrypt.js:** For password hashing.
- **Payements:** Stripe.

Link: <https://github.com/ouafcode/Portfolio-Project-E-commerce-RESTful-APIs->

[01/12/2024 – 30/12/2024]

Designed and developed the official website for Arssad Alkhaleej Company using WordPress, ensuring a user-friendly interface and responsive design.

Link: <https://arssadalkhalij.com/>

[10/02/2025 – 10/03/2025]

Designed and developed the official website for Prime Zone Company using WordPress, ensuring a user-friendly interface and responsive design.

Link: <https://primezone.co/>

WORK EXPERIENCE

Prime Zone Systems – CASABLANCA, Morocco

City: CASABLANCA | Country: Morocco

Technical support engineer

[15/12/2019 – 01/09/2023]

- Conducted client training sessions on drone usage, software operation, and maintenance.
- Analyzed technical needs related to topography and drone equipment (SenseFly, Quantum, NavVis, Trimble).
- Provided comprehensive technical support: GIS needs assessment, issue resolution, and post-sale follow-up.
- Contributed to commercial activities: offer development, promotional campaigns, and market analysis.
- Prepared presentations and spatial analysis reports to support business decision-making.
- Developed a data entry system for invoice management and visualization of customer trends over time.

Domain Expertise:

Topography, Photogrammetry, 3D Modeling, Image Processing

Tools & Software:

Trimble RealWorks, Inpho, eCognition, Pix4D, QGIS, ArcGIS, PosPac, CloudStation, Excel, Google Apps Script, Adobe Premiere Pro, After Effects.

AVERDA – CASABLANCA, Morocco

City: CASABLANCA | Country: Morocco

GIS Specialist

[06/11/2017 – 14/08/2019]

- Provided GIS support to the Engineering and Business departments, spatial data analysis, cartography .
- Managed ArcGIS Online accounts for the Engineering Department.
- Assisted in the review of project drawings, standards, and specifications to ensure accuracy and completeness.
- Developed automated tools and scripts to streamline GIS cartographic and processing tasks using Python.

Tools & Technologies:

ArcGIS Desktop, Model Builder, Python Scripting, PostgreSQL, SQL, Excel/Macros, Google Apps Script.

Royal Center for Space Remote Sensing -CRTS- – Rabat, Morocco

City: Rabat | Country: Morocco

end-of-study project internship

[31/01/2017 – 29/07/2017]

- Developed a web-based GIS platform for monitoring and diagnosing water resources at the national level.
- Integrated remote sensing data with GIS to enable spatio-temporal analysis of water balance, soil moisture, and irrigation intensity.
- Designed and implemented a solution combining geospatial data processing with interactive web visualization.

Tools & Technologies:

ArcGIS Desktop/Server, SQL Server, API for Flex, ActionScript, JavaScript, XML

SKILLS

Web Development Skills

Axios / CSS / Html / Git / JavaScript

Database Management Systems

SQL / PostgreSQL / Mongo-DB / Excel

Backend development Skills

Flask / NodeJs / python / REST API

GIS Development Skills

ArcGIS Pro, ArcGIS Enterprise, ArcGIS Desktop, ArcGIS Online, ArcGIS Dashboard, / QGIS / openlayers / Leaflet / postgis

Design and infographics

Adobe Illustrator / Adobe After effect / Adobe premiere PRO

LANGUAGE SKILLS

Other language(s):

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user