YOUSSEF ARHRIB

Geospatial Software Engineer

PERSONAL PROFILE

As a geographic information system (GIS) engineer. I am Passionate about using new technologies to solve problems that have a spatial aspects.

CONTACT DETAILS

- Casablanca,20180,Maroc
- youssef.arhrib@gmail.com
- (+212)616428231
- in/youssefarhrib
- github/youssefarhrib
- Portfolio
- Researchgate

EXTRACURRICULAR ACTIVITIES

- Graphic Designer

Faculty of Science and Technology. Club geoinformation. 09/2018 –09/2020.

SOFT SKILLS

- Problem solving. Sense of responsibility Data analysis Curiosity.
- Team spirit.

LINGUISTIC SKILLS

- Mother tongue(s): ARABIC Other language(s): FRENCH (C1) - ENGLISH (B2) B1 and B2: independent user; C1 and C2: experienced user;

CENTER OF INTEREST

- Camping   .
- Hand-Ball.
- Reading Books

EDUCATION

- 09/2018 – 10/2021– Tangier

Geoinformation Bachelor Degree – Faculty of Science and Technology (FST).

- 09/2016 - 06/2018 - Tangier

Scientific and technical university diploma - FST.

- 09/2014 - 06/2016 - Benslimane

Baccalaureate - Mathematical Science(A) - Hassan II

WORK EXPERIENCE

- 08/2025– 11/2025– Freelance Project
- Full-Stack Developer (Remote)

Spellbrush – AI-Powered Image Editing SaaS built using Next.js, Tailwind CSS, Prisma, Neon, ImageKit, and Better Auth

- 06/2025– 08/2025– Freelance Project
- Full-Stack Developer (Remote)

Developed a fully functional e-commerce platform using Next.js 15, Tailwind CSS v4, TypeScript, Stripe, and Zustand.

- 01/2024– 05/2025– Louvres (SARLSTER)
- Technical Proposal Assistant (Remote)

Ensured all technical documents met client requirements and industry standards for quality and compliance.

- 06/2023– 11/2023– Rabat
- GIS Web Developer (Remote)

Creation of a webmapping platform for real estate management Tools used: Geodjango, React, Postgresql,Leaflet...

- 10/2022– 05/2023– Temara(Artop) GIS Web
- Developer

Modeling and development of a WEB-GIS platform for BI business management and mapping in ouarzazate . Point cloud segmentation. Tools used: Python, Streamlit, Postgresql, Open3d, Geopandas...

- 03/2022– 08/2022– Léon, Spain(Université Léon)
- Spatial data scientist

An online system based on sentinel 2 imagery to detect and monitor forest health in poplar plantations.
Tools used: Python, Greppo, Google Earth Engine...

- 03/2021 – 12/2021 – Fès (Geo Lambert) GIS Web
- Developer

Design and production of a webmapping platform for the dematerialization of urban planning documents. Tools used: Angular, OpenLayers , Postgresql, Geodjango...

- 07/2020– 09/2020 – Tanger (AGENIUM INFORMATIQUE ET SYSTÈMES)
- GIS Web Developer

Development of an intra-city carpooling system.
Tools used : Angular, Ionic 4, Leaflet, Firebase...

DIGITAL SKILLS

- **Programming language:** TypeScript, Python3, SQL.
- **Data Visualization**: Tableau, Leaflet, Folium.
- **Databases** : PostgreSQL/PostGIS, Mysql.
- **3D Point Cloud Processing** : Open3D, CesiumJS (3D visualization).
- **GIS & Remote Sensing Tools** : Qgis, Google Earth Engine, Open Drone Map.
- **Machine Learning Libraries**: Pytorch
- **Web Frameworks**: Next.js (React), FastAPI

PORTFOLIO PROJECTS

- Display and analyze GIS data on the web with Leaflet and Turf
- Development of a Python plugin for Qgis to manage derogated projects.
- Modeling and development of a platform to visualize Tangier's urban transport networks.