



Bouabdellah LAMANI (Bob), 30 YO

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Trilingual (English, French , Arabic)

DATA Engineer

Lead / Developer

EXPERIENCE

01/2023 - Ongoing ___ **La Plateforme des données de santé (Government program)** / Data direction/ Data team ___ **Paris** :

01/2023 - Ongoing ___ **Senior Data Engineer / Data Operator (Réfèrent de données)** :

Libraries developer (DevOps / architecting) + **Projects data validator / lead** (DataOps) + **POC maker** (DBT / Snakemake) + **Platform developer** (JupyterHub) + **Databases metadata extracting developer** (ORM)

03/2019 - 12/2022 ___ **SAIPEM SA** / GIS Department / Development team ___ **Montigny-le-Bretonneux** :

07/2021 - 12/2022 ___ **ICT / Data Engineer / Administrator** :

Data migration project leader (Databases analysis & datamodels monitoring / construction) + **Data pipeline developer** (Automating data processing / loading / extracting)

09/2021 ___ **3rd place in Ocean Hackathon 6** (ENSG, Champs-sur-Marne) :

Development team coach (48 hours non-stop development on a mini-digital project with sea-related data)

10/2019 - 07/2021 ___ **WEB / GIS Data Engineer** :

GIS engineer (Spatial data processing automating) + **Data collector** (API, WEB-Services, transfer protocols) + **ArcGIS Enterprise WEB administrator** (WMS, WEB-MAP / WEB-APP creating / editing) + **Database administrator** (ORACLE SDEs management)

03/2019 - 09/2019 ___ **Final TGAE Master Internship** :

GIS Intern (MetOcean data integration in GIS, extracting / processing / modeling)

EDUCATION

12/2023 ___ **Training ~ AZ-104 : Microsoft Azure Administrator** ___ ORSYS / ITTCERT , Puteaux

06/2023 ___ **Training ~ Architecture of the NATIONAL HEALTH DATA SYSTEM (SNIIRAM / SNDS)** ___ Institut 4.10, Paris

06/2021 ___ **Training ~ ArcGIS Pro / Enterprise Advanced Operations** ___ ESRI France S.A (Virtual Class), Meudon

03/2021 ___ **Training ~ Neo4J / Cypher Introduction** ___ NTT DATA S.p.A (Virtual Class), Italy

2018 - 2019 ___ **Master ~ Remote Sensing and Geomatics Applied to the Environment** ___ Panthéon-Sorbonne University, Paris

2017 - 2018 ___ **Master ~ Physical Oceanography** ___ Pythéas Institute, Aix-Marseille University, Marseille

SKILLS

Python & programming___

- . Paradigms__ Object-oriented, Functional
- . Concurrent__ Threading, MultiPorcessing, Concurrent, Asyncio
- . Testing__ Unit (Pytest, Fixtures), Integration (Tox)
- . Code__ Linting (Flake8, Black), Standard (PEP 8)

DevOps___

- . Git__ Gitlab, Azure DevOps
- . CI/CD__ Gitlab-CI, Repositories mirroring
- . Container__ Docker, Docker-compose
- . Config__ YAML, JSON, XML ...

Pipeline & Processing___

- . ETL__ Data Build Tool (DBT), Snakemake
- . Distribution & parallelization__ Spark, MultiPorcessing
- . Spatial & Multidimensional__ ArcGIS, NetCDF
- . Libraries__ Pyspark, Pandas, Numpy ...

Storage___

- . Database__ SQL (PostgreSQL ...), Graph (Neo4J)
- . Blobs__ Azure Blob Storage
- . Quering__ SQL, Cypher
- . Drivers__ Py2neo, Psycpg ...

Sys admin & Cloud___

- . Admin Azure (AZ-104)__ Entra ID, VMs, DNS, IPs ...
- . Automating Azure__ Azure libraries (SDK)
- . Command__ Bash, Shell, PowerShell ...
- . Service__ Linux systemd services

SQL___

- . ORM__ SQLAlchemy
- . Templating__ Macros & Models (Jinja)

Other___

- . Operational__ Ticket (Zendesk), Monday ...
- . Documentation__ Markdown, Excalidraw ...

... and, I love structuring before coding ...

Free Time

Sports___ Swimming, Running ... **Reading**___ Philosophy, Spirituality ...

Music___ Classic Rock, Rap, Targui, Blues ...

Watching___ ThinkerView, Conferences, Stand-Ups ...