

DJEINABA BA

</> Portfolio  github.com/Djeinaba  linkedin.com/in/djeinababa  djeinaba147@gmail.com

SUMMARY

Data engineer specialized in Geo-Data management for energy Mix. Project experience in the oil&gas industry includes Data management and analysis, Data science, Project Management (Certified CDMP & CAPM) and GIS engineering.

PROFESSIONAL EXPERIENCE

TechnipFMC Subsea, Paris, FR: Data management and statistical analysis Mars 2023 – july 2023

- responsible for the implementation of a data management system for large volumes of data generated by sensors during pipe manufacturing process.
- Implementation of an automatic data analysis system for the data generated at the end of the manufacturing process helping R&D team to focus on result interpretation.
- *Technical Stack: Project Management, Multi-site team collaboration, Data management, python, R, Statistics calculation, SQL, MySql, Matplotlib, seaborn .*

SITA FOR AIRCRAFT, Paris, FR: Big Data and MLOPS intern Apr 2022 – sep 2022

- Conducted a thorough study of the internal data architecture, identified areas of improvement, and proposed a new data architecture that prioritized scalability, resilience, and reproductive capabilities.
- Applied MLOPS techniques and approaches to streamline the development and deployment of ML models.
- *Technical Stack: python, batch, Hadoop, S3, Pyspark, Kafka, Minio, ELK Stack, MLFlow, Docker, pyenv, pytest, Linux, git, Agile Methodology, Project Management.*

Binor & Associés , Nouakchott, MR: IT and Data engineer intern May 2021 – sep 2021

- Conducted network logs analysis and built data pipelines using Elasticsearch, logstash, and Filebeat to collect and process large volumes of data.
- Implementation of the web application to provide an intuitive and user-friendly interface for data analysis and visualization of the different alerts generated within the customer's traffic network.
- *Technical Stack: Python, Elasticsearch, logstash, Filebeat, kibana, QueryDSL, Zeek, Django, Flask, ansible, SqlAlchemy, mysql, React-js, git.*

EDUCATION

M.S. Geo-Data Management for energy-Mix Sept 2022 - Oct 2023

IFP-SCHOOL, Paris , France

Data Engineering (Dual degree Engineering program) Sept 2020 - Aug 2022

INSA EUROMED, FES , Morocco

Computer Science and Network Engineering Sept 2018 - Aug 2020

POLYTECHNIC OF MAURITANIA, Nouakchott

Mathematics, Physics, and Engineering Sciences Sept 2016 - Aug 2018

Preparatory Institute for Major Engineering Schools (IPGEI), Nouakchott, Mauritania

TECHNICAL & SOFT SKILLS

Programming: Python, R , java, java-script, SQL, batch

Big Data & Storage system: Spark, Hadoop, Kafka, ELK stack, Minio, AWS S3, Postgresql, Mysql

Web & Mobile dev : Django, Angular js, React js, Flutter, Dart

E&P Data Management & GIS Applications : Petrel, ArcGis, QGis, Postgis, GDAL/OGR, GeoPandas

Others Techno: Linux, Github, Docker, Flask API, Pytest, AWS

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, can-do-it-mindset, Communication

ACADEMIC PROJECTS(ENERGY SECTOR)

Exploration and production Data management of Volve Oil field 2023

- *Technical stack: Python, Petrel Data Management, ArcGIS online, StoryMap, QGIS, geospatial data analysis, Project Management.*

Correlogram qualification in passive seismic interferometry using Machine Learning algorithms 2023

- *Technical stack: Python, QGIS, scikit-learn, python data visualization, Project Management, Agile Methodology.*

Automatic classification of vegetation in the Forcalquier region using deep learning algorithms

- *Technical stack: Python, GNSS, QGIS, Lidar, geospatial data analysis, Random-Forest algorithms.*

CERTIFICATIONS

Certificate Associate in Project Management (CAPM) by PMI 01-2024

Agile Project Management, Project management process, Business analysis process, predictive methods

Certificate Data Management Professional (CDMP) by DAMA international 12-2022

Data management process, Master and reference data , data gouvernance, data quality etc..

Interpersonal communication management by PMI (LinkedIn Learning) 12-2022

Master your interpersonal communication skills,how to handle interruptions, respond to critical feedback...

Big Data analytics with hadoop and Apache Spark (LinkedIn Learning) 12-2022

Building Analytics application with Hadoop and Spark,best praticises for data storage, data ingestion and extraction with spark,optimizing data processing in Spark

Apache Spark 3 for Data engineering and analytics with python (Udemy Platform) 02-2022

Spark architecture, RDD Crash Course, Structured API Spark Dataframe, spark streaming for analytics, Spark SQL ...