

Senior Data Engineer Open to work

Hamza HACHANI

162 Avenue du général Leclerc

92330, Sceaux

06 21 09 74 97

hamza.hachani@outlook.com



Professional experience

04/2022 - Today: Senior Big Data / Data Engineer (RiverBank S.A)

- Raw data scraping and storage (Python, Airflow, Minio, Iceberg, Spark)
- Implementation of a real-time data streaming library (Python, Pyspark, Spark Structured Streaming (batch mode and continuous mode) (Api python), Kafka, AKHQ, Kubernetes, Docker)
- Integration of this library in a FastApi project for the calculation needs of the API (FastApi, Kafka, AKHQ, PostgreSQL, Kubernetes,)
- Migrate python applications from On premise to AWS to exploit the elasticity of resources (EKS, AWS)
- GEN AI application for Credit team (Help them study the potential client using a predefined model)

11/2018 - 03/2022: Big Data / Data Engineer (BNP PARIBAS ITG)

Implementation for payments of an anti-fraud software (millions of payment every month with time constraints (minus 3 sec)) based on business rules and machine learning models:

- Development of Big Data jobs for real-time data processing (Flink, kafka, kafka connect, java8, oracle)
- Implementation in production of a data lab allowing the production of machine learning models and the study of data (validation of the architecture file and then implementation until production) (python, data science packages ...)
- Implementation of the SAML protocol as a backend service.
- Automation of the deployment of technical components produced internally and those provided by the editor (ansible)
- Project management

09/2017 - 09/2018: Data Engineer Internship (Crédit Agricole-TS)

As part of a project to create a central Data Hub, I oversaw studies related to the communication between BIG DATA technologies (Spark, Kafka...) (java8)) and an IBM proprietary environment. I also tested big data tools like NIFI before they were implemented.

16/01/2017 - 15/07/2017: Data Engineer Internship (Orange Labs)

I analyzed the billing data produced by the "data access" service of mobile customers to verify the relevance of the billing systems (establish correlations between the use and the billing of the Mobile Data service) (spark streaming, Kafka, java8)

11/07/2016 - 10/01/2017 : Data Engineer Internship (ACTIVITY)

I set up a "Fast Data" architecture prototype for the recovery, storage and visualization of IOT device data. The goal is to make data ingestion fault-resilient and scalable. The prototype is based on Apache Kafka technology (Kafka, Kafka streams, MongoDB, angular 2, java8)

Academical Studies

IMT Atlantique: 2015-2018: Engineering studies (engineering degree from a major French engineering school)

SUP'COM : 2013-2015 : Engineering studies (engineering degree from a major Tunisian engineering school) (merit scholarship from the Tunisian government)

Preparatory classes IPEIT :2011-2013 : intensive course to prepare for engineering studies

Skills

Flink, Hadoop, HDFS, Spark , Spark Streaming, Kafka, Kafka Connect, Java, Python, Oracle, SQL, MongoDB, UML, Git, agile method, project management, Maven, Docker, Jenkins, Ansible, Kubernetes, AWS, FastApi, Metabase, Postgresql, Airflow, Iceberg, Hive, Minio

French- Arabic: bilingual

English: Advanced level (TOEIC score: 890).

Spanish: B1 level.

Center of interest: Reading, History, running, horse riding