

HUSSEIN AWALA

Data Engineer

📞 0761654896 @ hussein@awala.fr 📍 Chatillon, FR
💻 husseinawala 🌐 github.com/hussein-awala 🌐 https://hussein.awala.fr



EXPERIENCE

Data Engineer

Leboncoin

📅 Oct 2021 – Ongoing 📍 Paris, FR

- Developing complex applications ensuring optimal data circulation, and their reliability: data APIs & industrialization of machine learning models (FastAPI, Docker, K8S), streaming applications (kafka & Spring cloud)
- Optimizing the company's cloud architecture and environment by reducing the cost, improving the CI/CD, securing the services and designing and developing new architectures (AWS, Terraform, Helm, Travis, Concourse, Github Actions,...)
- Migrating the old data lake to a new data lakehouse architecture that supports ACID transactions and update and delete operations required by GDPR (Spark, apache HUDI, Airflow, Kafka, S3, Avro, Hive, ...)

Data Engineer

Data4Risk

📅 Sep 2019 – Oct 2021 📍 Paris, FR

- Designing and building stream processing applications and data processing & ETL pipelines using Docker, Pyspark, Kafka, Argo Workflows, mongoDB, MySQL, MinIO and Kubernetes on GCP and OVH cloud
- Designing and training machine learning models and pipelines using Keras, Tensorflow, MLlib and other libraries to classify and process satellite images and deploying these models using MLflow
- As a consultant, I offer advice and expertise to other companies on Big Data and cloud projects and I help them to find solutions to their challenges (scalable information systems, data lakes, scalable web apps...)
- As a head of data team, I assist my colleagues, and I participate in making most company decisions, which contributes to the growth of the company

Trainee Data Engineer

Data4Risk

📅 Feb 2019 - Aug 2019 📍 Paris, FR

- Designed and developed an information system which downloads and analysis Meteo France meteorological data, to generate bulletins containing 6 types of forecasted alerts in the French postal areas. This system is managed by Xen and Docker Swarm, it uses many different technologies and languages such as Python, Node. JS, MySQL, MongoDB, Kafka, and other...
- Worked on a time series prediction model, to forecast the floods on the french rivers, the data used in this project are EFAS, ERA5, ARPEGE and "Eau de France"

STRENGTHS

Self-learning Hard-working Persuasive Determination
Motivator & Leader Decision Making Product Management
Creative Thinking Solving complex problems

EDUCATION

M.S. in Data Science

Grenoble INP ENSIMAG

📅 Sep 2018 – Sep 2019

M.S. in AI & Big Data

Lebanese University Faculty of Science 1

📅 Sep 2017 – Jul 2018

B.S. in Computer Science

Lebanese University Faculty of Science 5

📅 Sep 2014 – Jul 2017

TOP SKILLS

Python JAVA Spark Airflow Kafka
apache HUDI Docker Kubernetes
helm Terraform AWS GCP OVH
Travis Github actions Concourse
Avro DynamoDB Athena MongoDB
Argo SQL Jenkins DreamFactory
FastAPI OOP problem solving

MOST PROUD OF

🏆 **Competition in all arenas**
to be among the best programming problems solvers in Lebanon (LCPC)

💓 **Persistence & Hard Working**
where despite Lebanon's difficult conditions and long working hours of my part-time job to finance my studies, I was one of the first graders

📈 **Data4Risk's Founding & Growth**
with CTO I built and improved the Data4Risk core project, and I keep working to support more clients, reduce the cost and increase the productivity by designing fault-tolerant scalable platforms in the lowest cost

LANGUAGES

Arabic
French
English

