Mathieu **Velez Montoya**

DATA ENGINEER

335 Boulevard Jean-Jacques Bosc - 33800 Bordeaux, France

(+33) 6 67 10 62 38 | mathieu.velezmontoya@outlook.com | shervinmathieu | shervinmathieu | B1

Sommaire

Passionate about Data Architecture, Data Engineering and DataOps.

As a Data Engineer, I have mastered the leading tools on the market to design, develop and deploy robust, high-performance and reliable Big Data pipelines. Thanks to my experience in a variety of fields throughout my career, I have the expertise and flexibility required to perform in demanding, high-stakes environments.

Experienced in working with local and international teams.

Experience

Betclic (Extia)
Bordeaux, France

FREELANCE DATA ENGINEER — *September 2024 - March 2025*

- Migration of all Big Data pipelines from dbt Cloud to dbt Core + Airflow.
- Maintenance of pipelines for multiple internal datamarts (player data, transaction data, game activities).
- Development of new algorithms for fraud and money laundering detection.
- Improvements to CICD pipeline to decrease build times.
- dbt + Amazon Web Services / Snowflake Stack.

Sanofi (Eviden)
Pessac, France

FREELANCE DATA ENGINEER — *September 2023 - September 2024*

- Maintenance of the batch genealogy data product, in Spark Scala and GraphQL.
- Migration of pipelines and datalake to dbt and Snowflake.
- Migration of DevOps pipelines to GitHub Actions.
- Training and KT for newly recruited daa engineers.
- Amazon Web Services (Glue, Scala) / Snowflake (dbt, SQL) Stack.

DataFret
Bordeaux, France

LEAD DATA ENGINEER — *April 2023 - September 2023*

- Migration of the DataFret SAS application from a local to a cloud version.
- Development of new features and implementation of the cloud architecture.

Volvo Trucks (Thélio)
Bègles, France

TECH LEAD DATA ENGINEER CONSULTANT — *August 2022 - March 2023*

- Databricks Lead for two teams of data engineers and data analysts, for a KPI reporting project.
- Monitoring and technical incident management, team support and knowledge sharing sessions.
- Implemented a new architecture resolve existing pain points and improve the team's work environment.
- International environment, communication in English.
- Microsoft Azure Stack (Databricks, Python).

DATA ENGINEER CONSULTANT — *February 2022 - July 2022*

- Development of an ETL pipeline and a REST API to supply predictive maintenance data to a dashboard for Volvo Trucks customers.
- More than 10x improvement in the performance of the existing API after reimplementation of the data architecture.
- International environment, communication in English.
- Microsoft Azure Stack (Databricks, Python).

La Banque Postale (Thélio)
Bègles, France

DATA ENGINEER CONSULTANT — *April 2021 - January 2022*

- Integration in the data squad, with handling of a multitude of different tasks, from maintenance to the creation of new ETL pipelines.
- Development of a parser/decoder for a internal LBP data file format.
- Cloudera on-premise Stack (Python, SQL).

Valemo (Thélio)

Bègles, France

DATA ENGINEER CONSULTANT

February 2021 - April 2021

- Development of multiple ETL pipelines with Databricks.
- Microsoft Azure Stack (Databricks, Scala).

CDiscount Advertising (Thélio)

Bègles, France

DATA ENGINEER CONSULTANT

February 2021 - March 2021

- Parsing and cleaning of marketing data for storage in BigQuery.
- Supplier API scraping for daily updates in BigQuery.
- Google Cloud Platform Stack (Dataproc, Python) with real-time data.

LaBRI, University of Bordeaux

Talence, France

RESEARCH ENGINEER

October 2018 - February 2021

- Management of a Big Data and Machine Learning research projects.
- Development of a data pipeline to collect data from temperature and presence sensors within the university.
- Development of a neural network for research into time series prediction.
- HortonWorks/Cloudera on-premise Stack.

Education

Bordeaux University

Talence, France

MASTER IN COMPUTER SCIENCE

2016 - 2018

- Software Engineering specialisation

Bordeaux University

Talence, France

L3 IN COMPUTER SCIENCE

2015 - 2016

Bordeaux IUT

Talence, France

DUT IN COMPUTER SCIENCE

2013 - 2015

Skills

Data	dbt, Databricks, Spark, Airlfow, Microsoft Azure, AWS, GCP
Programming Languages	Python, Scala, Java, SQL, TypeScript, NodeJS, C++
Databases	Snowflake, Delta Lake, Hive, NoSQL, MS SQL, PostgreSQL
Project Management & Continuous Integration	Scrum, Kanban, Git, Docker, Jenkins, Infrastructure as Code
Languages	French, English (fluent), Spanish (fluent)

Certifications

09/2022   **Databricks Certified Associate Developer for Apache Spark 3.0**, 🔗 58876825

11/2022   **Microsoft Certified: Azure Data Engineer Associate**, 🔗 I489-7610