



# Shervin Velez Montoya

## FREELANCE DATA ENGINEER

335 Boulevard Jean-Jacques Bosc - 33800 Bordeaux, France

☎ (+33) 6 67 10 62 38 | ✉ shervin.velezmontoya@outlook.com | 📷 shervinmathieu | 📺 shervinmathieu | 📞 B1

## Sommaire

Passionate about Data Architecture, Data Engineering and DataOps.

As a Freelance 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

### Extia

Bordeaux, France

FREELANCE DATA ENGINEER / BETCLIC

September 2024 - present

- Freelance Data Engineer assignment for Betclit Group.
- Assistance to the migration of 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.

### Eviden

Pessac, France

FREELANCE DATA ENGINEER / SANOFI

September 2023 - September 2024

- Freelance Data Engineer assignment for Sanofi.
- Maintenance of the batch genealogy data product, in Spark Scala and GraphQL.
- Migration of pipelines and datalake to dbt and Snowflake.
- Training and KT for newly recruited daa engineers.
- Amazon Web Services / Snowflake 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.

### Thélio

Bègles, France

TECH LEAD DATA ENGINEER CONSULTANT / VOLVO TRUCKS

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.

DATA ENGINEER CONSULTANT / VOLVO TRUCKS

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.

DATA ENGINEER CONSULTANT / LA BANQUE POSTALE

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.
- Cloudera on-premise Stack.

#### DATA ENGINEER CONSULTANT / VALEMO

February 2021 - April 2021

- Development of multiple ETL pipelines with Databricks.
- Microsoft Azure Stack.

#### DATA ENGINEER CONSULTANT / 3W RÉGIE (CDISCOUNT ADVERTISING)

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 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

<b>Data</b>	dbt, Databricks, Spark, Airlfow, Microsoft Azure, AWS, GCP
<b>Programming Languages</b>	Python, Scala, Java, SQL, TypeScript, NodeJS, C++
<b>Databases</b>	Snowflake, Delta Lake, Hive, NoSQL, MS SQL, PostgreSQL
<b>Project Management &amp; Continuous Integration</b>	Scrum, Kanban, Git, Docker, Jenkins, Infrastructure as Code
<b>Languages</b>	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