

Stéphane Verville-Vohl (He/Him)

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Bilingual software engineer previously specialised in Data Science eager to find a position as a Data Engineer. Returning from a hiatus starting at the beginning of the COVID-19 pandemic. Strong interest in using any of the following cloud service providers: AWS, Azure or Google Cloud Platform.

- Fluent in English and French (Native language), written and spoken.
- Experience coding in Python (Preference), Java, Javascript, Kotlin.
- Open to learning any programming languages as necessary.
- Experience using Windows and Linux/UNIX (Preference) operational systems.
- Experience with relational and non-relational databases, for OLTP/OLAP purposes.
(MySQL | PostgreSQL | MS Access | MongoDB | Cassandra)
- Working knowledge of data pipeline development and orchestration, including all steps of the ETL/ELT process.
(Airflow | pySpark | Hadoop | dbt | Kafka | Snowflake | Databricks | Redshift)
- Knowledge and understanding of modern DevOps best practices including:
 - Versioning tools (VCS | Git | Mercurial)
 - Continuous integration and delivery (CI/CD using Github actions)
 - Deployment on cloud (Heroku)
 - Infrastructure as code (IaC using Terraform)
 - Microservice-oriented software architecture and containers (Docker)
- Previous programming tasks include:
 - Data visualisation (Jupyter Notebooks | Power BI)
 - Scripting and task automation (Python | Bash | Batch | Powershell)
 - Website and web application development (HTML | CSS | LAMP stack | Django Framework)
 - Android mobile application development (Android Studio | Java | Kotlin)
 - Classification, regression, and model training from large-scale datasets using AI/ML python librairies
(Keras | Tensorflow | scikit | pyTorch | matplotlib | numpy | pandas)

Work Experience

- 2019 - 2020 **Consultant Data Analyst** - IBM Montreal Client Innovation Center
Near-shore consultant: On-site consultant for clients in Ottawa and Calgary for a quarter of monthly work time, while working in Montreal's office for the remainder of the month.
- **Canada Post (IBM Riverside)** Quality control of the integrity of sensitive data for a long-term ongoing business intelligence operation related to the efficiency of advertisement mail delivery in Canada.
 - **Suncor Energy (IBM Calgary)** ETL operations using IBM Cloud services for business intelligence tasks related to the optimization of operations at the Suncor Edmonton Refinery.
- Summer 2018 **Machine Learning Software Engineer Intern** - Bombardier Inc.
- Feature development for ReidGen: a machine learning model generator coded in FORTRAN
 - Creation of a python library to transform raw data into a data format optimized for ReidGen
 - Implementation of GPU support for ReidGen using the Nvidia CUDA library
 - Predictive analysis of time series using recurrent neural networks trained on high-performance clusters

Education

- 2016 - 2019 **Université de Montréal** - Bachelor of Computer Science
Curriculum focused on Artificial Intelligence - GPA: 3.834
Specialised courses include: Machine Learning, Data Science, Operational Research, Optimization, Simulation, Networking, Agile Software Engineering