

Data Specialist – Analytics Solutions & Optimization

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Profile

Data Engineer specialized in designing **scalable data pipelines**, also in **prescriptive and descriptive modelling** and delivering analytics solutions for complex operational environments. Proven expertise in **ETL/ELT integration**, **data quality and governance**, and **cloud-based deployment** of decision-support platforms. Hands-on experience with ERP systems, large-scale datasets, and cross-functional collaboration to translate business requirements into robust and high-performance technical solutions.

Data scientist & Core Competencies

- **Data pipeline architecture:** design, build, and optimization of scalable ETL/ELT workflows supporting analytics, reporting, and decision-support applications.
- **Data integration and transformation:** multi-source ingestion (ERP, relational databases, APIs, files), complex transformations, optimized loading; data validation, quality controls, and lineage.
- **Cloud platforms and modern tooling:** Azure (Data Lake Storage, Databricks – active training), AWS, GCP; CI/CD practices with Azure DevOps, Docker, Kubernetes; MLOps (MLflow, TFX, monitoring).
- **Languages and technologies:** advanced SQL (complex queries, performance tuning, large-scale datasets), Python (pandas, PySpark, NumPy), R; Apache Spark (active learning); Power BI, FastAPI.
- **Data modeling:** logical and analytical data modeling for decision analytics (star and snowflake schemas, facts and dimensions).
- **Advanced analytics and optimization:** statistical models (LM, GLM, hierarchical, Bayesian), forecasting (SARIMA, ETS, RNN), deterministic and stochastic prescriptive optimization (LP, MILP, NLP).
- **Agile delivery and technical leadership:** solution planning, effort estimation, dependency management; participation in code reviews and promotion of engineering best practices.

Professional Experience

Data Supply Chain Analyst

Adfast Corp, Montreal

September 2025 – Present

- Designed and implemented analytical data pipelines leveraging **Dynamics 365 SCM**, integrating multi-source data to support operational planning.
- Developed optimization models (MILP) for warehouse slotting and replenishment, integrating outputs into **Power BI** decision dashboards.
- Worked closely with operations and IT teams to translate business needs into robust technical solutions, ensuring data integrity and performance.
- **Impact:** reduced order preparation time, improved location allocation, and enhanced decision quality through automated and reliable KPIs.

AI Developer / Analytics Engineer

La Cité Collégiale, Ottawa

2023

- Developed analytical pipelines and ETL workflows for operational forecasting and planning (SARIMA, RNN models).
- Implemented **CI/CD** and containerization practices (MLflow, Git, Docker, Kubernetes) for automated deployment of analytics solutions.
- Delivered interactive dashboards and monitoring solutions enabling real-time decision-making.

Data Analyst – Operations and Systems

Total Cameroun

2020 – 2022

- Automated large-scale operational reporting using **Power BI**, improving KPI reliability and availability.
- Structured, cleaned, and analyzed operational data to support logistics planning and QHSE performance monitoring.
- Collaborated with business and technical teams as part of continuous improvement initiatives in data management and governance.

Electronic High secondary technological School teacher

Nkoteng High secondary technological school

2019 – 2022

- Delivered theoretical and practical lessons in electrical and electronic technology.
- Supervised laboratory and workshop activities while enforcing safety standards.
- Assessed student performance through exams, projects, and continuous assessment.

Applied Research & Technical Projects

- Energy demand forecasting using multivariate time series (weather, seasonality) and high-volume datasets.
- Optimization and reliability of smart microgrids through probabilistic modeling, scenario analysis, and real-time data pipelines.
- Energy monitoring systems with real-time alerts and analytical dashboards.
- Geospatial data analysis and electromagnetic disturbance modeling applied to telecommunications networks.

Education

M.Sc. in Data Science – HEC Montréal	2025
<i>Specialization in statistical modeling, machine learning, and optimization</i>	
Certificate in Applied AI – La Cité Collégiale	2023
B.Sc. in Telecommunications and Information Technologies – Faculty of Industrial Engineering	2020
M.Sc. in Technical Education – ENSET Douala	2019

Certifications

- Power BI: Integrating AI and Machine Learning — LinkedIn Learning (2025)
- Machine Learning Data Lifecycle in Production — Coursera (2023)
- Introduction to Machine Learning in Production — Coursera (2023)
- Data Analysis with R Programming — Coursera (2023)
- Google Data Analytics Professional Certificate — Coursera (2022–2023)

Professional Qualities

- Strong interest in data, analytics, and technology solutions; committed to continuous learning (Azure Databricks, Apache Spark).
- Excellent technical and non-technical communication skills; able to clearly explain complex concepts.
- High sense of ownership, reliability, and ability to deliver high-quality solutions under constraints.
- Ability to support and mentor junior technical profiles through knowledge sharing and best practices.