



Technical Lead Data (TGQF)

Montreal - Full-time - 744000140270049

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What you'll do

- Collaborate with architects and contribute to the design of new data products and services by proposing robust, scalable solutions aligned with organizational needs.
- Participate in the implementation of the target data architecture and drive its adoption across teams.
- Serve as the subject matter expert for all topics related to data, data architectures, and data processing pipelines.
- Provide technical leadership and expertise across all Quality Foundations products regarding data storage, modeling, governance, and processing.
- Define, maintain, and promote data standards and best practices within QF, ensuring their consistent application across teams.
- Propose, review, and validate technical and architectural decisions through Architecture Decision Records (ADRs), and ensure adoption of approved decisions.
- Actively contribute to the development and delivery of initiatives involving the highest levels of complexity or risk.
- Advise architects, project managers, and leaders on technology directions and opportunities to improve data platforms.
- Analyze and optimize the performance, cost efficiency, reliability, and scalability of data systems.
- Act as a subject matter expert in relational and non-relational database optimization.
- Collaborate with development, analytics, artificial intelligence, and operations teams to ensure seamless integration of data solutions.
- Ensure the technical quality of data pipelines and promote best practices in monitoring, alerting, and operations.
- Foster knowledge sharing, mentorship, and the development of technical autonomy within data development teams.
- Participate in the technical evaluation of new technologies, platforms, and data-related approaches.
- Perform any other related duties as required.

What you'll bring to the team

Education :

- Bachelor's degree in Computer Science, Computer Engineering, Software Engineering, or an equivalent field of study.

Relevant Experience :

- Minimum of 8 years of experience in software development or data engineering.
- Significant experience designing and implementing large-scale data platforms.
- Experience in technical leadership, team coaching, or mentorship.
- Experience with distributed architectures and large-scale data processing systems.

Skills and Knowledge :

Technical Expertise

- Strong expertise in large-scale data solution development and SQL/NoSQL data modeling.
- Strong proficiency in one or more of the following languages: **Python, PySpark, SQL, and Scala**.
- Solid understanding of modern data architectures, data processing pipelines, and analytics platforms, including **Medallion architectures (Bronze/Silver/Gold)** and **Lakehouse platforms (Databricks, Delta Lake)**.
- Experience designing configurable and environment-agnostic solutions (development, staging, production), including pipeline-as-code and configuration management practices.
- Ability to design scalable, high-performance, and maintainable solutions.
- Experience documenting architectural and technical decisions.

Technical Assets

- Knowledge of cloud services (**AWS, Azure, or equivalent**) as well as **Docker** and **Kubernetes** technologies.
- Knowledge of data orchestration frameworks such as **Apache Airflow** or **Databricks Workflows**.
- Knowledge of real-time data streaming technologies (**Spark Structured Streaming** or equivalent).
- Knowledge of **Databricks, Apache Spark (batch and streaming), Delta Lake, Elasticsearch/OpenSearch, SQL Server, and PostgreSQL**.
- Knowledge of large-scale data platform administration and both relational and non-relational databases.
- Knowledge of monitoring, logging, and alerting systems for data pipelines.
- Understanding of machine learning and artificial intelligence concepts.
- Experience working in high-volume, real-time critical systems environments (telemetry, observability, monitoring) is considered a significant asset.

Professional Competencies

- Excellent analytical and problem-solving skills.
- Strong ability to solve complex technical challenges.
- Aptitude for mentoring and fostering technical autonomy within teams.
- Strong appreciation for configuration-driven approaches, including parameterized systems, declarative pipelines, and reproducible deployments (Infrastructure as Code).
- Excellent communication skills and ability to explain complex technical concepts to diverse audiences.
- Influential leadership and the ability to drive adoption of best practices across teams.
- Ability to work effectively in a multidisciplinary environment.
- Strong initiative and autonomy.
- Results-oriented mindset with a focus on continuous improvement.

- Ability to manage multiple priorities simultaneously and make sound prioritization decisions.