



Michael Lemiale

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French & American Citizen

Objective

Seeking a challenging Senior/Lead Data Engineering role to architect innovative data platforms and mentor high-performing teams, contributing directly to business growth and data-driven decision-making.

Professional Summary

Accomplished Senior Data Engineer with 8+ years of experience designing, building, and optimizing scalable data warehouse solutions and robust data pipelines.

Proven leader in implementing advanced software frameworks, driving significant cost efficiencies and fostering best practices across data teams.

Career History

Articulate | January 2023 - Present

Market leader in e-learning – building online training apps and serving a global client base including all Fortune 100 companies. Dedicated to changing how the world learns.

Senior Data Engineer

- **Led the migration and consolidation of two complex data warehouse environments from BigQuery and Redshift to Snowflake**, ensuring seamless data continuity across the company and **reducing query time by up to 40%.**
- **Mentor and advocate for 3 analytics engineers and 2 data analysts**, leveling up the team and providing guidance across multiple cross-functional projects and high priority initiatives.
- **Spearheaded the implementation of robust CI/CD frameworks**, elevating team confidence in code deployments and standardizing engineering best practices in data.
- **Designed and optimized custom data pipelines to incrementally ingest hundreds of terabytes of data** from dozens of diverse source APIs and application databases into Redshift and Snowflake, enhancing data freshness for critical business operations.
- **Developed and championed local development improvements**, enabling other engineers to quickly spin up and dynamically adjust their local development environments, accelerating team productivity and collaboration while **reducing initial environment setup time to 20 minutes.**

The Zebra | May 2018 - January 2023

Online insurance comparison marketplace based in Austin, Texas – simplifying the process of finding and comparing insurance quotes from over 200 carriers.

Senior Analytics Engineer

- Directed the transition of data warehousing architecture from a monolithic to modular framework, resulting in a **25% reduction in Snowflake operational costs.**

Skills

Programming

- SQL
- Python
- JavaScript & TypeScript

Frameworks & Tools

- dbt, jinja
- Fivetran, Stitch, Sling, dlthub
- Dagster, Prefect, Airflow
- Terraform, Docker, K8s
- CI/CD Pipelines
- Hightouch, Census
- Spectacles

Cloud

- AWS, GCP

Analytics & BI Tools

- Looker
- Tableau
- Metabase
- PowerBI
- Mode

Databases

- Snowflake, Redshift, BigQuery
- PostgreSQL, MySQL, SQL Server

Languages

- English: Native
- French: Fluent
- Spanish: Proficient

Education

University of Maryland, College Park

August 2012 - May 2016

Bachelor of Science
Information Systems

Bachelor of Science
Finance

- Partnered closely with Data Engineering to **design and implement a comprehensive SQL unit testing framework**, increasing confidence in code coverage and deployment health across the data platform.
- **Developed a robust regression testing framework**, ensuring historical data reporting integrity during deployments, minimizing data discrepancies and increasing confidence in the data.

Analytics Engineer II

- Transitioned Looker data models to dbt, **reducing data build times by 50%** with incremental and ephemeral materialization strategies.
- Automated manual Excel imports into the data warehousing environment with scalable pipelines for cost reporting, **eliminating 40 hours of manual work per month** and improving data accuracy.

Under Armour | November 2016 - May 2018

American sportswear brand based out of Baltimore, Maryland. Known globally for its innovative performance wear designed to help athletes perform.

BI Developer

- Created and maintained data models in an SAP HANA data warehouse environment, supporting critical BI initiatives and enabling numerous data-driven reports.
- Enabled end-users to create dashboards and reports through standardized reporting datasets in Tableau and Business Objects, improving access to key performance indicators.

Data Analyst

- Created standardized reporting hubs through single source of truth data models and front-end analytics tools, improving reporting accuracy and consistency.
- Partnered with SAP ERP implementation consultants to translate legacy data models into a new SAP HANA data warehouse environment.