

JONATHAN MUSNI

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DATA ENGINEER | ANALYTICS ENGINEER

Data engineer with 5+ years across retail, telecom and enterprise IT, building production pipelines, the analytics models on top of them, and the data quality and lineage controls that keep both trustworthy. Cut ETL latency 96% and cloud storage costs 63% at DXC Technology; now own CRM, supply chain and retail governance data products on Airflow, dbt, BigQuery and Looker at Chalhoub Group. AWS and Databricks certified in data engineering and generative AI.

CORE SKILLS

Languages & Processing: Python, SQL, PySpark, Spark, Bash
Warehouse & Lakehouse: Snowflake, BigQuery, Databricks, Delta Lake, Apache Iceberg, Postgres, S3
Transformation & Orchestration: dbt, Airflow, Airbyte, Docker, Git/GitHub, CI/CD
BI & Semantic Layer: Looker, LookML, Tableau, Power BI, Streamlit
Cloud & Practice: AWS, Azure, GCP, DataHub, dimensional modeling, data quality, observability, lineage, GDPR
AI & ML: LLMs, RAG, agentic AI, LangGraph, MCP, TensorFlow, scikit-learn

EXPERIENCE

Chalhoub Group

Data Engineer

Dubai, UAE • Nov 2025 – Present

- Build and maintain end-to-end pipelines feeding CRM, supply chain and logistics dashboards used by hundreds of business users and brand analysts across 20+ brands.
- Led the migration of 12 reports from Oracle BI Publisher to Looker using dbt, Airbyte and BigQuery, rebuilding their business logic into a governed LookML semantic layer.
- Built governance analytics reconciling Oracle EBS and RMS, surfacing a ~5% cost-of-goods-sold variance between finance and merchandising systems and replacing manual investigation with a monitored dashboard.
- Define assertions and map column-level lineage in DataHub as part of the data quality team, so upstream breakages surface before they reach reporting.

BigQuery, dbt, Airflow, Airbyte, Python, SQL, Looker, LookML, DataHub, Oracle EBS, Oracle RMS, Claude Code

Harrisburg University of Science and Technology

Graduate Study & Independent Data Engineering — MS, Information Systems & Engineering Management (24 credits)

Harrisburg, PA • Mar 2024 – Sep 2025

- RealtyLens** — built a daily ELT platform over 700K+ property listings: Airflow on Astronomer orchestrating S3 to Snowflake, with a dbt star schema, data-quality tests and cumulative state tracking; added a gradient-boosting rent model and Streamlit dashboard for yield analysis. github.com/jemusni07/RealtyLens
- Retail RFM Analytics** — engineered an end-to-end medallion-architecture pipeline on Databricks with RFM scoring and K-means customer segmentation.
- Open-source work** on Apache Iceberg table formats, Model Context Protocol with AWS Glue, and agentic AI applications.

Snowflake, dbt, Airflow, Databricks, Python, SQL, LLMs, RAG, LangGraph, MCP, agentic AI

Comcast (Contract)

Data Engineer

Philadelphia, PA • Oct 2023 – Jan 2024

- Maintained the APCPETR dataset — aggregated property, CPE, telemetry and recommendation data — on the Comcast Device Analytics platform, spanning a domestic footprint of 32M+ broadband customers.
- Implemented data quality checks, monitoring and lineage coverage across critical Databricks pipelines, catching upstream issues before they reached consumers and cutting root-cause analysis time for failures.

Spark, Databricks, Delta Lake, SQL, Python, data observability

DXC Technology

Data Engineer

Philadelphia, PA • Sep 2019 – Sep 2023

- Migrated and optimized 19 enterprise service-management tables, improving ETL latency by 96% for business reporting.
- Led development of AWS-based data applications, reducing storage costs by 63% through optimization.
- Architected a GDPR-compliant data lake, and developed a graph database application for an enterprise dataset on AWS Neptune.

AWS, Python, SQL, PySpark, Postgres, Databricks, GitHub, CI/CD, ETL, Scrum, data lifecycle

EDUCATION

MS, Information Systems and Engineering Management — Harrisburg University, PA (24 credits)	2024 – 2025
MS, Data Science — Drexel University, Philadelphia, PA	2019 – 2021
BS, Electronics Engineering — Polytechnic University of the Philippines, Manila, Philippines	2009 – 2014

CERTIFICATIONS

[AWS Data Engineer Associate](#) • [Databricks Data Engineer Professional](#) • [Databricks Generative AI Engineer Associate](#) • [Azure AI Engineer Associate](#) • [DataExpert Data & Analytics Engineering](#)