
Jonathan Musni

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Senior Data Engineer

- Delivered enterprise-scale data engineering services to DXC Technology Platform X
- Recognized for valued impact on cloud cost reduction, ETL migration and optimization

WORK EXPERIENCE

Looking for a new role

Philadelphia, PA • 01/2024 – Present

Data/AI Engineer

- Developed a machine learning powered real estate application with snowflake-dbt-airflow
- Earned cloud certifications in Data and AI Engineering:
 - [Azure AI Engineer Associate](#)
 - [Databricks Generative AI Engineer Associate](#)
 - [AWS Data Engineer Associate](#)
 - [Databricks Professional Data Engineer](#)
 - [DataExpert Combined Data/Analytics Engineering Superb Certificate](#)
- Developing technical content on data engineering best practices on [Medium](#)
- Contributing to open-source data and AI engineering projects on [GitHub](#)
- **Tools and Technologies:** Snowflake, DBT, Airflow Python, SQL, Agentic AI, LLM, Databricks, LangChain, MCP, RAG

Comcast (Contract)

Philadelphia, PA • 10/2023 - 01/2024

Data Engineer

- Enhanced Comcast Device Analytics platform through improved data quality and lineage in Databricks
- Maintained device analytics APCPETR (aggregated property, CPE, telemetry and recommendation) dataset
- Implemented data quality checks and monitoring for critical data pipelines
- **Tools and Technologies:** Spark, Databricks, SQL, Python, Delta Lake, Data Observability

DXC Technology

Philadelphia, PA • 09/2019 - 09/2023

Senior Data Engineer - Platform X (July 2021 - September 2023)

- Migrated and optimized 19 enterprise tables, improving ETL latency by 96%
- Led development of AWS-based data applications, reducing storage costs by 63% through optimization
- Developed graph database application for enterprise dataset using AWS Neptune
- Architected and implemented GDPR-compliant data lake
- **Tools and Technologies:** AWS, Python, SQL, Postgres, GitHub, CI/CD, ETL, Scrum, Data Lifecycle

Data Science Engineer - AI Studio (September 2019 - June 2021)

- Developed backend integration for AI-powered VR application using Databricks platform
 - Implemented topic modeling and computer vision features, reducing processing time by 78%
- Engineered ML pipeline for race analytics, processing and analyzing 5 years of historical dataset
- Built and deployed predictive models using TensorFlow and scikit-learn
- **Tools and Technologies:** Python, PySpark, Databricks, Machine Learning, Tensorflow, Scikitlearn

EDUCATION

Master of Science in Information Science and Engineering Management

2024-2026

Harrisburg University

Harrisburg, PA, USA

Master Of Science in Data Science

2019-2021

Drexel University

Philadelphia, PA, USA

Bachelor of Science in Electronics Engineering

2009-2014

Polytechnic University of the Philippines

Manila Philippines

SKILLS

- **Programming Languages:** Python, PySpark, SQL, Bash
- **Cloud Technologies:** AWS, Databricks, Azure, Astronomer, DBT
- **Frameworks/Tools:** AI/BI, Tableau, Flink, Git/GitHub, Glue, Jenkins, Kafka, Lambda, Spark, Docker
- **Databases/Storage:** Delta Lake, DynamoDB, Iceberg, Postgres, Redshift, S3, Snowflake
- **Data Engineering:** Architecture, CI/CD, ETL maintenance, Observability, Orchestration, Security
- **Data Science:** Agentic AI, CrewAI, LangChain, LLM, Machine Learning, NLP, RAG