



Rodolfo Lopez III

✉ rodolfo.lopez3@gmail.com 📍 San Antonio 🌐 <https://datawolf.ai>

Summary

Results-oriented **Data Engineer** with over 13 years of experience architecting scalable data pipelines, optimizing ETL/ELT processes, and managing enterprise-grade data warehouses. Proven expertise in migrating legacy systems to modern cloud architectures using **AWS, Snowflake, and Databricks**. Skilled in **Python** and **SQL** for complex data manipulation and automation. Adept at leading technical teams, implementing **Git**-based CI/CD workflows, and translating business requirements into high-performance data solutions.

Experience

Mutual of Omaha

Remote

Lead Business Intelligence Developer

November 2022

- Architected and deployed robust data pipelines using Python and SQL Server to integrate processing across hybrid environments, serving as the foundation for enterprise analytics.
- Leading the migration of on-premises data infrastructure to Snowflake and AWS, designing scalable cloud architectures and establishing migration patterns to modernize the organization's analytics platform.
- Engineered cloud-native data solutions utilizing Snowflake and AWS to modernize legacy data warehousing infrastructure and accelerate cloud adoption initiatives.
- Leveraging AI-powered development tools including Claude, VS Code Copilot, OpenAI Codex, AWS Bedrock, and Google Gemini to accelerate pipeline development, automate code generation, and streamline data engineering workflows. Google AI Essentials certified.
- Optimized data refresh intervals, reducing latency from daily to hourly ingestion by re-engineering ETL/ELT workflows, enabling near real-time decision-making for business stakeholders.
- Implemented Git version control and collaborative coding standards, transitioning the team from manual script management to a structured CI/CD workflow.
- Developed automated Python scripts to migrate critical HR data from Teradata to the team's data warehouse, streamlining employee tracking and reducing manual data entry errors.
- Enhanced query performance by moving transformations from Tableau extracts to backend stored procedures and temporary tables, significantly reducing load on production servers.
- Automated Solution Delivery metrics using advanced SQL logic, replacing manual Excel processes and saving the team 2 days of processing time per cycle.
- Mentored junior developers on advanced SQL techniques, stored procedure optimization, and data modeling best practices.

<https://www.mutualofomaha.com/>

T-Mobile

Remote

Reporting & Analytics Manager

Feb 2017 - Oct 2022

- Managed two Power BI tenants during the Sprint-T-Mobile merger, ensuring seamless consolidation of reporting environments and uninterrupted analytics access across both organizations.
- Led the migration of Sprint data assets into T-Mobile's analytics ecosystem, standardizing schemas and validating data integrity to enable unified reporting post-merger.
- Onboarded and trained Sprint developers on T-Mobile's data platforms, tooling, and best practices, accelerating team integration and productivity during the transition.
- Designed and managed high-volume ETL processes to ingest training data from third-party LMS vendors, supporting over 80,000 daily active users.
- Leveraged SQL optimization strategies to address pipeline bottlenecks, resulting in a 30% year-over-year lift in training completion rates.
- Automated dataset refreshes using PowerShell scripting and API connectors, reducing manual intervention and ensuring data timeliness.
- Implemented Row-Level Security (RLS) within data models to ensure compliance with data governance standards and protect sensitive corporate information.
- Developed complex stored procedures to support national retail sales metrics, ensuring 100% data accuracy across executive dashboards.

T-Mobile

Remote

Senior Data Analyst

Jan 2015 - Feb 2017

- Collaborated with IT and Operations to define scope matrices and sequence diagrams, ensuring new data integration projects aligned with ETL best practices.
- Executed data cleaning and modeling techniques to transform raw data into reliable datasets for strategic planning and decision-making.

Maximus Inc,

San Antonio, TX

Data Analyst

Feb 2009 - Jan 2015

- Automated 10+ core reporting processes, resulting in a 75% decrease in overtime hours and improved overall ETL efficiency.
- Developed and maintained ETL processes using MS-SQL Server and PL-SQL to compile performance metrics for Operations and Call Centers

Education

San Antonio College

Data Science and Artificial Intelligence

Data Science and Artificial Intelligence AAS

Aug 2025 - Present

I am attending San Antonio College to pursue an Associate of Applied Science (AAS) degree in **Data Science and Artificial Intelligence**. Refine conceptual knowledge and technical skills required in data science and AI workflows, specifically focusing on the latest technologies including Generative AI, Computer Vision, Natural Language Processing, and Amazon Web Services (AWS) cloud foundations.

Projects

NBA Data Pipeline (Python & API Integration)

- Developed a Python-based data pipeline to extract NBA statistics via API endpoints.
- Performed data cleaning and transformation using Pandas and loaded data into a structured database.
- Managed source code using Git/GitHub, applying best practices in version control and commit history.

Skills

Languages:

Python, Advanced SQL (T-SQL, PL/SQL), Powershell



Cloud & Big Data:

AWS (S3, Glue, Lambda), Snowflake, Databricks, Azure Data Factory

