

Carlos Carrillo

AI-Driven Engineer | Data - Developer - DBA | Snowflake - Azure SQL - ADX/KQL - Python | Remote (EN/ES)

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Mexico - Remote | Availability: Remote Only (Worldwide)

Open to Work: SQL Developer, ETL Developer, Data Engineer, Integration Lead, AI Engineer

Languages: Spanish (Native), English (Professional Working)

Summary

Senior Data Engineer and Cloud Data Consultant with 20+ years of experience modernizing analytics ecosystems with Snowflake, Microsoft Fabric, Azure SQL, and SQL Server. I build automated, scalable pipelines and resilient data models that turn raw data into reliable, actionable insight -- especially in high-volume, mission-critical environments. My toolkit is deep SQL + Python, paired with AI-assisted development (GitHub Copilot, ChatGPT, Claude) to deliver solutions that are cloud-native, operationally practical, and designed to evolve.

Experience

Data Integration Lead - Hexaware Technologies

2025-03 -- Present | Mexico · Remote

- Led Snowflake → Azure SQL integration; deployed 14-table incremental sync pipeline with MERGE procedures, 15-min scheduling, HASH delta detection, E2E verification (~590K rows) across DEV→TEST→PROD
- Designed watermark-based incremental loads using business timestamps and DW_MODIFY_TS fallbacks for Connected Operations dashboards
- Built snowrefactor, Python CLI for Snowflake view regression testing: automated DDL pull, deployment, schema comparison, and benchmarking in dbt-style CTE workflows

Technologies: Snowflake, Azure SQL, ADX/KQL, Azure Functions, App Service, Python, Streamlit, Docker, GitHub Enterprise, Copilot, MERGE/Upsert, CDC/Delta

Senior Database Engineer - FusionHit

2025-01 -- Present | Remote

- Built PostgreSQL audit framework with per-object templated DDL exports (Nunjucks/Jinja)
- Delivered 20+ database tickets (index optimization, FK remediation, schema renames, timestamp normalization)
- Authored Technical Design Documents for Student Concierge, Relief Vet, VWR, Appointment Waitlist, and Feature Flags databases

Technologies: PostgreSQL, Azure Database for PostgreSQL, Node.js, JavaScript, Nunjucks, pg_stat_statements, EXPLAIN, Jira, Harvest API, GitHub Copilot

Data Engineer & AI Developer - dataqbs

2011-01 -- Present | Guadalajara, Mexico · Remote

- Delivered data engineering for VCA Animal Hospitals, C&A; México, BCG, Moviro, Svitla, Quesos Navarro
- Built MEMO-GRID: advanced grid trading bot with Optuna HPO (50K trials), 23x BTC multiplier, attribution analysis (95.7% alpha)
- Designed Bellman-Ford & triangular crypto arbitrage scanner across 9 exchanges with live swap execution

Technologies: Python, SQL Server, PostgreSQL, Snowflake, SSIS/SSRS/SSAS, Tableau, Power BI, Dataiku DSS, Azure Data Factory, Node.js, ccxt, pandas

ETL Engineer - SVAM International Inc.

2022-11 -- 2024-09 | Mexico · Remote

- Led migration from on-prem SQL Server and SSIS to Snowflake, designing new fact/dimension models for student certification analytics
- Automated JSON ingestion from Salesforce APIs into Snowflake using Python
- Built data validation and reconciliation tests, ensuring end-to-end load accuracy

Technologies: Snowflake, SQL Server, SSIS, Salesforce API, SharePoint

Senior ETL Developer - Svitla Systems, Inc.

2021-05 -- 2023-10 | Mexico · Remote

- Designed and deployed the company's ETL pipeline
- Developed SSIS packages for on-prem extractions and orchestrated updates with Azure Data Factory
- Built flexible star-schema data models to scale as reporting needs grew

Technologies: Azure SQL, SSIS, Azure Data Factory, Power BI, SQL Server

Snowflake Administrator - Epikso Mexico

2022-01 -- 2023-01 | Mexico · Remote

- Managed Snowflake security, role-based access, and performance tuning
- Implemented Infrastructure-as-Code for automated environment setup
- Monitored query performance and optimized storage/micro-partitioning

Technologies: Snowflake, Bitbucket, CI/CD, Infrastructure-as-Code

Data Technical Lead - Jabil

2018-01 -- 2022-03 | Guadalajara, Mexico

- Directed migration from Hadoop + Impala + SQL Server PDW to Snowflake on AWS, enabling faster analytics
- Built streaming and task-based orchestration using native Snowflake automation features
- Designed landing, staging, and refined zones for scalable ingestion and transformation

Technologies: Snowflake, AWS, Hadoop, Impala, SQL Server PDW

Software Engineer Lead - 3Pillar Global

2016-06 -- 2018-01 | Guadalajara, Mexico

- Developed EDI data integrations and reporting layers with SQL Server, SSIS, and SSRS
- Maintained reliable data synchronization across multiple external partners

Technologies: SQL Server, SSIS, SSRS, EDI

SQL SSRS Consultant - HCL Technologies

2014-08 -- 2016-06 | Guadalajara, Mexico

- Migrated and optimized Actuate Reports into SSRS and SharePoint
- Developed performant SQL logic for enterprise reporting

Technologies: SQL Server, SSRS, SharePoint, Actuate

Database Analyst II - Jabil

2011-08 -- 2014-08 | Guadalajara, Mexico

- Created and maintained ETL workflows using SSIS, integrating Oracle, SAP, and MySQL systems
- Ensured 24/7 database reliability and performance optimization

Technologies: SQL Server, SSIS, Oracle, SAP, MySQL

BI Developer - C&A; México

2005-09 -- 2011-08 | Guadalajara, Mexico

- Designed OLAP cubes (SSAS) and interactive SSRS reports for retail analytics
- Built ETL workflows from mainframes and regional stores to centralized data warehouse
- Maintained high-performance SQL environments across business units

Technologies: SQL Server, SSAS, SSRS, SSIS, OLAP

Developer - FIRMEPLUS

2004-04 -- 2005-05 | Guadalajara, Mexico

- Software and database development (PHP, SQL Server, MySQL)

Technologies: PHP, SQL Server, MySQL

Developer Trainee - Jabil Circuit de México

2003-08 -- 2004-05 | Guadalajara, Mexico

- Supported database and web app development

Technologies: SQL Server, Web Development

Certifications

- Generative AI Professional Certificate by Snowflake -- Snowflake (2026) [Active]
- Microsoft Certified: Fabric Data Engineer Associate -- Microsoft (2025) [Active]
- Microsoft Certified: Azure Data Fundamentals -- Microsoft (2025) [Active]

- Microsoft Certified: Azure Fundamentals -- Microsoft (2025) [Active]
- dbt Fundamentals -- dbt Labs (2025) [Active]
- MCSA: SQL Server 2012/2014 -- Microsoft (2015) [Active]
- MCSA: SQL Server 2008 -- Microsoft (2012) [Active]
- MCPS: Microsoft Certified Professional -- Microsoft (2012) [Active]
- MCTS: SQL Server 2008, Business Intelligence Development and Maintenance -- Microsoft (2011) [Active]
- MCTS: SQL Server 2008, Implementation and Maintenance -- Microsoft (2010) [Active]
- SnowPro Core Certification -- Snowflake (2024) [Expired]

Skills

Languages: Python, SQL, JavaScript / TypeScript, KQL (Kusto), Bash, Node.js, PowerShell

Data & Cloud: Snowflake, Azure (SQL, ADF, Functions), Azure Data Explorer (ADX), Microsoft Fabric, Cloudflare (Pages, Workers, AI)

AI & ML: LLM Evaluation & Prompt Eng., RAG (Retrieval-Augmented Gen.), Snowflake Cortex AI, Vector Embeddings & Search, GitHub Copilot SDK, Optuna (HPO), Fine-Tuning (PEFT / LoRA)

Libraries & Frameworks: pandas / NumPy, ccxt (crypto exchanges), Streamlit, Playwright, Astro / Svelte, Nunjucks / Jinja2, Rich / rapidfuzz

DevOps & Tools: GitHub Actions CI/CD, Poetry / pip, ruff / pre-commit / pytest, Docker, QEMU / KVM, Linux (Pop!_OS)

Databases: SQL Server, Snowflake, PostgreSQL, Azure SQL / Azure PostgreSQL, SQLite

Education

Master in Business Administration (MBA) -- Universidad de Guadalajara (2008--2010)

Bachelor Degree in Computing Science -- Universidad de Guadalajara (1999--2003)