Contact

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Top Skills

ADX

Kusto Query Language (KQL)

SQL

Languages

Spanish (Native or Bilingual)

English (Professional Working)

Certifications

Microsoft Certified: Azure
Fundamentals

Generative AI Professional
Certificate by Snowflake

Microsoft Certified: Azure Data
Fundamentals

MCSA: SQL Server 2012/2014

Carlos Carrillo

AI-Driven Engineer | Data • Developer • DBA | Snowflake • Azure
SQL • ADX/KQL • Python | Remote (EN/ES)
Tlajomulco de Zúñiga, Jalisco, Mexico

Summary

I'm a 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 where performance, cost
efficiency, and long-term maintainability aren't "nice to have,"
they're survival.My toolkit is deep SQL + Python, paired with AI-
assisted development (GitHub Copilot, ChatGPT, Claude Opus)
to deliver solutions that are cloud-native, operationally practical,
and designed to evolve beyond prototypes. I've worked fully remote
for years with US and LATAM teams, collaborating across time
zones through clear technical communication, structured delivery,
and documentation-driven workflows.I'm focused on reproducible
data platforms, observable pipelines, and systems that reduce
operational friction so distributed teams can move fast—with clarity
and confidence. Open to remote-first collaboration as a:• Senior
Data Engineer• Cloud Data Consultant• Snowflake / Microsoft Fabric
Specialist• DBA

Experience

Hexaware Technologies
Data Integration Lead
March 2025 - Present (1 year)
Mexico

->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.

->Optimized Snowflake views via deep CTE-pushdown across UNION ALL architectures (65s→9.7s, 5×). Benchmarked Snowflake→ADX migration: SENSOR_SNAPSHOT_GET 30s→0.15s (200×).

->Developed IROC Video Wall (Streamlit, 7 mining sites, 60s auto-refresh, AI chat) and Mining Operations Chatbot (NL queries across ADX+Snowflake). Docker, Azure App Service, Azure AD SSO.

->Built schema extraction across 3 Azure SQL environments, KQL/ADX infrastructure (2 clusters, 20+ site DBs), config-driven execution with Entra ID/ Kerberos auth.

->Leveraged GitHub Copilot (Enterprise) for pipeline architecture, SQL generation, benchmarking, and dashboard development.

Skills: Snowflake · Azure SQL · ADX/KQL · Azure Functions · App Service · Python · Streamlit · Docker · GitHub Enterprise · Copilot · MERGE/Upsert · CDC/Delta · CTE Refactoring · ETL/ELT · IoT Sensor Data · Mining Analytics · Entra ID/Kerberos · CI/CD

dataQBS
Data Engineer AI
January 2011 - August 2025 (14 years 8 months)
Guadalajara Area, Mexico

→ BI, data engineering, and database solutions: VCA Animal Hospitals, C&A México, BCG, Moviro, Svitla, Quesos Navarro
→ Stack: SQL Server, PostgreSQL, Snowflake, SSIS/SSRS/SSAS, Tableau, Power BI, Dataiku DSS, Azure Data Factory, Node.js, Python

MEMO-GRID (2025–2026) – Internal R&D, DataQBS (Founder-led):
→ Advanced Python, quantitative analysis, automation
→ Proprietary backtesting engine, 8+ years historical data (2017–2026), realistic fee/slippage
→ 23x BTC multiplier vs HODL (+47,331% ROI, $1,000 USD backtest)
→ Optuna HPO (50,000 trials), grid trading parameter discovery
→ Attribution analysis: 95.7% alpha, 4.3% beta

→ Automation tools: dust sweeper, watchdog, CI/CD, real-time state, multiplatform (Windows/Linux)
→ Tech: Python 3.11+, pandas, numpy, PyYAML, python-binance, Optuna, GitHub Actions, Task Scheduler, systemd

VCA Animal Hospitals (2025):
→ PostgreSQL schema auditing toolkit (Node.js, GitHub Copilot), CI/CD DDL snapshots
→ Rule-based findings engine, zero-downtime migrations (NOT VALID → VALIDATE CONSTRAINT)
→ PostgreSQL Best Practices (Azure Flexible Server), Jira, Harvest, Graph API integrations

C&A México (2005–2011):
→ OLAP cubes (SSAS), SSRS retail analytics
→ ETL workflows: mainframes, regional stores, centralized DW

BCG / Moviro (2018–2023):
→ Tableau dashboards, Dataiku DSS pipelines
→ REST API ingestion (Snowflake), SQL tuning (high-volume workloads)

Svitla Systems (2021–2023):
→ Azure SQL data warehouse, SSIS, ADF orchestration
→ Star-schema models, Power BI dashboards (Azure)

Quesos Navarro (2015–2018):
→ SQL Server inventory/production tracking, real-time SSRS reporting

SVAM International Inc.
ETL Engineer
November 2022 - September 2024 (1 year 11 months)
Mexico

-> 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.
-> Delivered curated datasets via SharePoint, improving visibility for academic stakeholders.

-> Supported data transformation and scheduling through custom scripts and CI-controlled processes.

Svitla Systems, Inc.
Senior ETL Developer
May 2021 - October 2023 (2 years 6 months)
Mexico

-> Designed and deployed the company's first Azure SQL data warehouse, enabling cloud-based sales analytics.
-> 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.
-> Partnered with BI teams to publish Power BI dashboards on Azure.

Epikso Mexico
Snowflake Administrator
January 2022 - January 2023 (1 year 1 month)
Mexico

-> 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.
-> Integrated CI/CD pipelines via Bitbucket, improving deployment control.

Jabil
Data Technical Lead
January 2018 - March 2022 (4 years 3 months)
Guadalajara y alredededores, México

-> 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.
-> Supported distributed teams in manufacturing analytics modernization.

3Pillar Global
Software Engineer Lead
June 2016 - January 2018 (1 year 8 months)
Guadalajara Area, Mexico

-> Developed EDI data integrations and reporting layers with SQL Server, SSIS, and SSRS.

-> Maintained reliable data synchronization across multiple external partners.

HCL Technologies
SQL SSRS Consultant
August 2014 - June 2016 (1 year 11 months)
Guadalajara Area, Mexico

-> Migrated and optimized Actuate Reports into SSRS and SharePoint.

-> Developed performant SQL logic for enterprise reporting.

Jabil
Database Analyst II
August 2011 - August 2014 (3 years 1 month)

-> Created and maintained ETL workflows using SSIS, integrating Oracle, SAP, and MySQL systems.

-> Ensured 24/7 database reliability and performance optimization.

C&A México
BI Developer
September 2005 - August 2011 (6 years)

-> Designed OLAP cubes (SSAS) and interactive SSRS reports for retail analytics.

-> Maintained high-performance SQL environments across business units.

FIRMEPLUS
Developer
April 2004 - May 2005 (1 year 2 months)

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

Jabil Circuit de México
Developer Trainee
August 2003 - May 2004 (10 months)

-> Supported database and web app development

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Education

Universidad de Guadalajara
Master, Business Administration · (2008 - 2010)

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