

# Carlos Carrillo

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

[carlos.carrillo@dataqbs.com](mailto:carlos.carrillo@dataqbs.com) · [dataqbs.com](https://dataqbs.com) · [linkedin.com/in/carlosalbertocarrillo](https://linkedin.com/in/carlosalbertocarrillo) · [github.com/CarlosCaPe](https://github.com/CarlosCaPe)

México · Remoto | Disponibilidad: Solo Remoto (Mundial)

**Abierto a trabajar:** SQL Developer, ETL Developer, Data Engineer, Integration Lead, AI Engineer

**Idiomas:** Español (Nativo), Inglés (Profesional)

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## Resumen

Ingeniero de Datos Senior y Consultor Cloud con más de 20 años de experiencia modernizando ecosistemas analíticos con Snowflake, Microsoft Fabric, Azure SQL y SQL Server. Construyo pipelines automatizados y escalables, y modelos de datos resilientes que convierten datos crudos en información confiable y accionable — especialmente en entornos de alto volumen y misión crítica. Mi toolkit es SQL profundo + Python, combinado con desarrollo asistido por IA (GitHub Copilot, ChatGPT, Claude) para entregar soluciones cloud-native y prácticas.

## Experiencia

### **Data Integration Lead · Hexaware Technologies**

2025-03 — Actual | 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

*Tecnologías:* Snowflake, Azure SQL, ADX/KQL, Azure Functions, App Service, Python, Streamlit, Docker, GitHub Enterprise, Copilot

### **Senior Database Engineer · FussionHit**

2025-01 — Actual | 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

*Tecnologías:* 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 — Actual | 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

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

### **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

*Tecnologías:* Snowflake, SQL Server, SSIS, Salesforce API, SharePoint

### **Senior ETL Developer · Svitla Systems, Inc.**

2021-05 — 2023-10 | Mexico · Remote

- Designed and deployed the company\
- 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

*Tecnologías:* 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

*Tecnologías: 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

*Tecnologías: 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

*Tecnologías: 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

*Tecnologías: 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

*Tecnologías: 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

*Tecnologías: SQL Server, SSAS, SSRS, SSIS, OLAP*

## **Developer · FIRMEPLUS**

2004-04 — 2005-05 | Guadalajara, Mexico

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

*Tecnologías: PHP, SQL Server, MySQL*

## **Developer Trainee · Jabil Circuit de México**

2003-08 — 2004-05 | Guadalajara, Mexico

- Supported database and web app development

*Tecnologías: SQL Server, Web Development*

## **Certificaciones**

- **Generative AI Professional Certificate by Snowflake** -- Snowflake (2026) [\[Activo\]](#)
- **Microsoft Certified: Fabric Data Engineer Associate** -- Microsoft (2025) [\[Activo\]](#)
- **Microsoft Certified: Azure Data Fundamentals** -- Microsoft (2025) [\[Activo\]](#)
- **Microsoft Certified: Azure Fundamentals** -- Microsoft (2025) [\[Activo\]](#)
- **dbt Fundamentals** -- dbt Labs (2025) [\[Activo\]](#)
- **MCSA: SQL Server 2012/2014** -- Microsoft (2015) [\[Activo\]](#)
- **MCSA: SQL Server 2008** -- Microsoft (2012) [\[Activo\]](#)
- **MCPS: Microsoft Certified Professional** -- Microsoft (2012) [\[Activo\]](#)
- **MCTS: SQL Server 2008, Business Intelligence Development and Maintenance** -- Microsoft (2011) [\[Activo\]](#)
- **MCTS: SQL Server 2008, Implementation and Maintenance** -- Microsoft (2010) [\[Activo\]](#)

## Habilidades

**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

## Educación

**Master** in Business Administration (MBA) — Universidad de Guadalajara (2008–2010)

**Bachelor Degree** in Computing Science — Universidad de Guadalajara (1999–2003)