

# Carlos Carrillo

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

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México · Remote | Verfügbarkeit: Nur Remote (Weltweit)

**Offen für Arbeit:** SQL Developer, ETL Developer, Data Engineer, Integration Lead, AI Engineer

**Sprachen:** Spanisch (Muttersprache), Englisch (Beruflich)

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## Zusammenfassung

Senior Data Engineer und Cloud-Datenberater mit über 20 Jahren Erfahrung in der Modernisierung analytischer Ökosysteme mit Snowflake, Microsoft Fabric, Azure SQL und SQL Server. Ich baue automatisierte, skalierbare Pipelines und belastbare Datenmodelle, die Rohdaten in zuverlässige, umsetzbare Erkenntnisse verwandeln — besonders in hochvolumigen, missionskritischen Umgebungen. Mein Toolkit ist tiefes SQL + Python, gepaart mit KI-gestützter Entwicklung (GitHub Copilot, ChatGPT, Claude).

## Erfahrung

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

2025-03 — Aktuell | 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

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

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

2025-01 — Aktuell | 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

*Technologien:* 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 — Aktuell | 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

*Technologien:* 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

*Technologien:* 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

*Technologien:* 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

*Technologien: 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

*Technologien: 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

*Technologien: 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

*Technologien: 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

*Technologien: 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

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

## **Developer · FIRMEPLUS**

2004-04 — 2005-05 | Guadalajara, Mexico

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

*Technologien: PHP, SQL Server, MySQL*

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

2003-08 — 2004-05 | Guadalajara, Mexico

- Supported database and web app development

*Technologien: SQL Server, Web Development*

## **Zertifizierungen**

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

## Fähigkeiten

**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

## Ausbildung

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

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