

Arturo Alejandro Vázquez Cuesta

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Professional Summary

Analytics Engineer with 3 years across internship and full-time roles building the transformation layer between raw data and decision-making at leading multinational corporations (Arca Continental, CEMEX). Migrated a production PySpark/Databricks pipeline to Snowpark on Snowflake, codified KPI logic for 15 operational metrics across 4 countries—spanning logistics, service, field sales execution, stock availability, and price compliance—and shipped 5+ governed data products end-to-end. Skilled in SQL, Python, Snowflake, Microsoft Fabric, and Power BI.

Experience

Software Engineer (Contract)

Jul 2026 – Present

FZF Technologies

Remote

- Built an event-driven pipeline that ingests external monitoring events, transforms them into domain records, and routes each to an owner with deduplication, due dates, and escalation rules.
- Designed the relational model behind it and covered the ingestion contract with integration tests decoupled from seeded data; worked across durable workflow orchestration and containerized deployment.

Data Translator Analyst

Jul 2025 – Jul 2026

Arca Continental

Monterrey, Nuevo León, Mexico

- Migrated a production **PySpark/Databricks** pipeline to **Snowpark on Snowflake** as a first-time Snowpark implementation, expanding automated KPI coverage to a new category over gigabytes of sales data and consolidating results into a single governed output for executive and operations reporting.
- Automated a largely manual extract–transform–publish cycle for 15 KPIs across 4 countries—only the transformation step had been scripted—accelerating end-to-end delivery by 90%.
- Delivered 5+ data products end-to-end (requirement gathering to deployment), ensuring data governance and reducing reporting turnaround from weeks to days.
- Took a logistics performance KPI from concept to full automation: confirmed its normal distribution and classified the central 90% as standard operating behaviour, flagging the outer decile as outliers for immediate operational response—giving executives a read on performance while pointing operations at where to intervene. Selected to present at an international bottling forum in San Diego as a regional benchmark.

Data Analyst Intern

Aug 2024 – Jul 2025

CEMEX

Monterrey, Nuevo León, Mexico

- Integrated data from multiple sources (Snowflake, MS SQL Server, SharePoint, DAX) and built ETL pipelines for Data Warehouses, Lakehouses, and OneLake.
- Automated manual, error-prone workflows using Power Automate, Python, and Microsoft Fabric, ensuring data governance while reducing processing time and improving accuracy.
- Optimized the Power BI data model and redesigned dashboard UI/UX, cutting refresh time from 30–40 minutes to under 10 on every update.
- Automated a monthly data gathering process with the Business Analysts & Intelligence team, reducing an error-prone full-day manual task to roughly three hours.

Software Engineer Intern

Aug 2023 – Aug 2024

UANL Dirección General de Tecnologías y Desarrollo Digital

Monterrey, Nuevo León, Mexico

- Developed multiple web views and architected serverless applications using VueJS, Firebase, and NodeJS.
- Eliminated Firebase billing by optimizing function calls and service usage to fit within free-tier quotas, holding the project at zero infrastructure cost.
- Established data structure workflows enforcing correct schema validation using Zod within an Agile/Scrum framework.

Independent Projects

NPS Sentiment Analysis | *Python, HuggingFace Transformers, NLTK, TextBlob, Pandas*

2024

- Built a weighted NPS scoring system combining numeric survey scores with sentiment analysis of customer comments, using HuggingFace pre-trained models, NLTK, and TextBlob over cleaned and preprocessed text.

Technical Skills

Languages: SQL, Python, TypeScript, JavaScript, Java

Modeling & Transformation: Snowflake, Snowpark, PySpark, Databricks, ETL, Data Warehousing, Data Governance, Pandas

Data Platforms: Microsoft Fabric, Lakehouse, OneLake, MSSQL Server, SharePoint

BI & Analytics: Power BI, DAX, Statistics, Data Mining, Machine Learning, NLP, Scikit-Learn

Tools & Practices: Git, Power Automate, Power Apps, SAP, Linux, Agile, Scrum

Spoken Languages: English (C1), French (B2)

Education

Universidad Autónoma de Nuevo León

Monterrey, Nuevo León, Mexico

Bachelor's Degree in Computer Science

Graduated 2025

Robotics Club Member | Robocup France 2020 Candidate – Soccer Category (Computer Vision & Algorithms)

2020