

# SEBASTIAN GONZALEZ

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## Professional Experience

### Spring Financial

February 2025 – July 2025

*Business Analyst (Data Engineering scope)*

*Vancouver, Canada*

- Built Python ingestion pipelines moving 500k+ records/day from AWS S3, Snowflake, and APIs, reduced reporting errors by 15%, accelerating credit-risk decision making.
- Standardized data contracts with Data Science, improving model reliability and speeding up ML deployment cycles.
- Contributed to CI/CD automation, reducing release cycles from weeks to days and improving operational continuity (GitHub Actions, Agile/Scrum).

### Canfor

June 2024 – February 2025

*Credit & BI Analyst*

*Vancouver, Canada*

- Designed ADF + Python ELT pipelines feeding Azure SQL, safeguarded reporting SLAs for daily finance operations.
- Delivered executive Power BI dashboards on a \$50M+ portfolio, used weekly by leadership to inform collections and credit-limit decisions.
- Automated KPI-based triggers that reduced Days Sales Outstanding (DSO) by 8 days, boosting cash flow.

### Autofin — Auto Financing and Credit

March 2021 – January 2022

*Data Engineer*

*Santiago, Chile*

- Enabled business self-service analytics by centralizing CRM, loan apps, and bureau data in an AWS data lake (AWS S3, Airflow, Spark).
- Cut reporting latency by 40%, giving 20+ analysts access to curated datasets without IT intervention.
- Improved reliability of deployments with Git-based version control and CI/CD pipelines.

### TANNER Financial Services

January 2018 – February 2021

*Data Scientist*

*Santiago, Chile*

- Enhanced credit risk modeling and customer segmentation by creating gold-layer features from ETL pipelines (Airflow, Spark, SQL).
- Automated recurring workflows, cutting processing time by 20% and accelerating A/B test iterations for credit approval strategies.

## Projects

### Phishing Detection Data Pipeline 🐍 | *Python, FastAPI, AWS (S3/ECR/ECS), Docker, GitHub Actions, MLflow*

- Built an end-to-end real-time pipeline that scores suspicious URLs, cutting analyst triage time from minutes to seconds.
- Implemented MLOps workflow with data-quality checks and drift monitoring, and released with Docker, GitHub Actions, and MLflow.

### Retail Analytics Pipeline (Bronze → Silver → Gold) 🐍 | *ADF, ADLS Gen2, Databricks (Spark/Delta), Synapse, Key Vault*

- Designed a complete lakehouse pipeline from raw files to curated Delta tables to marts in Synapse, so teams could track orders, customers, and revenue without ad-hoc exports.
- Defined a star schema and data-quality rules, ensuring faster queries and reduced dashboard maintenance.

## Technical Skills

**Data Engineering & Orchestration:** Airflow; Spark/PySpark (Azure Databricks); dbt; ETL/ELT

**Cloud & Warehousing:** AWS (S3, Lambda, EMR, ECS/ECR); Azure (Data Factory, ADLS Gen2, Synapse, Azure SQL); Docker; Snowflake; CI/CD (GitHub Actions)

**Modeling & Storage:** Star schemas; Dimensional Modeling; PostgreSQL/MySQL/MongoDB

**Programming & BI:** Python (pandas, FastAPI), SQL; Power BI, Tableau

**Dev Practices:** Git; Agile/Scrum; MLflow

## Education

### Douglas College

2022 – 2023

*Postgraduate Diploma in Computer and Information Systems*

*Vancouver, Canada*

### European University of Madrid

2016 – 2017

*Master of Business Administration (MBA)*

*Madrid, Spain*

### Andres Bello University

2012 – 2015

*BSc in Economics (Concentration in Finance and Statistics)*

*Santiago, Chile*