NICOLAS ARANDA   DATA ENGINEER

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SUMMARY

I am a data enthusiast with a results-oriented approach and a solid foundation in data engineering. My experience focuses on the design and implementation of robust data pipelines to achieve efficient processing. I am proficient in using Python and SQL for data manipulation and transformation, and I stand out for my ability to collaborate with multifunctional teams to ensure seamless integration of data-driven solutions.

SKILLS

PROGRAMMING LANGUAGES	TOOLS	DATABASE MANAGEMENT
Python	Apache Airflow, Apache Nifi, Prefect	Data Normalization & Warehousing
	Kafka, DBT, Pentaho	Azure - Data Lake Gen 2
	Excel, Power BI	GCP - Storage, BigQuery
	Terraform, Git, Slack, Docker	AWS - S3, EC2, Redshift
	FastApi, Streamlit	SQL Server, Postgres, MySQL

LANGUAGES

English – C1
Japanese – N4

PERSONAL QUALITIES

- **Tolerance:** Known for fostering an inclusive and collaborative environment, I bring a high level of tolerance, embracing diversity and respecting different perspectives.
- **Patience:** With a patient and understanding approach, I navigate complex data challenges, ensuring thorough analyses and effective problem-solving.
- **Team-Minded:** A resolute team player, I thrive in collaborative settings, valuing open communication and teamwork to achieve shared objectives.
- **Purposeful:** Driven by a goal-oriented mindset, I channel my energy into delivering results and contributing to the success of both projects and the broader organizational objectives.

PROJECTS

Data Engineer - Analysis of Taxis and CO2 Emissions in New York City   **November 2023**
Academic Experience: Henry Bootcamp

Objective: Provide a detailed analysis of the taxi market in New York City, focusing on key aspects such as market share between yellow and green taxis, fuel consumption, electric consumption of electric vehicles, and carbon dioxide measurements.

Responsibilities:
- Lead the selection of the technological stack.
- Build and maintain technological infrastructures (DL, DW).
- Assemble and operate data pipelines (ETL).
- Program automation processes.
- Identify and rectify operational issues.

TOOLS USED: Python, SQL, GCP: Storage, Compute Engine, BigQuery, Pub/Sub, Cloud Functions, Cloud Scheduler, Looker

Link to the repository

Data Engineer - Wannabe-Spotify   **December 2023**
Personal Challenge - *Work in progress*

Objective: Stream events generated from a fake music streaming service (like Spotify) and create a data pipeline that consumes real-time data. The data coming in would be like an event of a user listening to a song, navigating on the website, authenticating. The data would be processed in real-time and stored in the data lake periodically (every two minutes). The hourly batch job will then consume this data, apply transformations, and create the desired tables for our dashboard to generate analytics.

TOOLS USED: Python, SQL, Docker, Terraform, Kafka, Apache Spark, DBT, Airflow, GCP: Storage, BigQuery, Data Studio Visualizations

Link to the repository

EDUCATION

Henry Bootcamp, 2023
Data Science Program - 800 horas de cursado teórico-práctico.

Universidad Tecnológica Nacional (UTN), ongoing 2024 - …
Bachelor in Systems Engineering

ADDITIONAL EDUCATION

- Data Engineering Zoomcamp. Data Talks Club. 2023.
- CS50: Introduction to Computer Science. Harvard University. 2023
- Python for Everybody. University of Michigan - Coursera. 2022.
- Google Data Analytics. Coursera. 2023.

OTHER EXPERIENCE

- **Alubase S.A. - Factory Worker (June 2021 - July 2022)**
  - Operated machinery and contributed to the manufacturing process of metal chairs.
  - Collaborated with a team to ensure efficient production and quality control.
- **Resto Bar Amancio - Waiter, Dishwasher (November 2017 - March 2020)**
  - Provided excellent customer service as a waiter, managing orders, and ensuring customer satisfaction.
  - Worked efficiently as a dishwasher, maintaining a clean and organized kitchen.