CRISTIAN WEBBER

DATA ENGINEER

PERSONAL PROFILE

Experienced Data Engineer with expertise in data lifecycle, cloud infrastructure, business requirements and exceptional troubleshooting abilities. Thrives in autonomous, fast-paced environments, excelling in chaotic conditions with minimal supervision. Committed to staying updated on industry advancements and eager for new challenges.

CONTACT ME AT

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- github.com/cristianwebber

SKILLS SUMMARY

- **Most confident with:** Python, SQL, dbt, PostgreSQL, Redshift, BigQuery, Snowflake, Linux, Docker, git, Airflow and ETL/ELT Pipelines .

- **I have good knowledge on:** Apache Spark, Terraform, Geospatial Data (GIS), AWS (EC2, ECS, Lambda, S3, RDS), GCP (Compute Engine, Cloud Functions, GCS, Cloud SQL), Kubernetes and MATLAB.

- **I can manage with some help:** Apache Kafka, Go (Golang), Rust, Django, FastAPI, JavaScript (Next.js, React) and Solidity.

EDUCATIONAL HISTORY

MASTER'S DEGREE IN MECHANICAL ENGINEERING - 2021
- Specialization: Mechanical Manufacturing;
- Algorithm development applied to mechanical engineering.

MECHANICAL ENGINEERING - 2018
- Researcher Assistant;
- Private Teacher.

LANGUAGES

- Portuguese - Native Language
- English - Fluent
- German - Basic

WORK EXPERIENCE

Data Engineer

Blue Orange Digital | Mar 2022 - present

- Developed pipelines for extracting, loading, and transforming diverse tabular and geospatial data from various countries and sources, handling terabytes of datasets. Utilized technologies such as Snowflake, dbt, Airflow, Python, bash, QGIS, and ogr2ogr, including shapefile conversions, projection transformations, and spatial data selection and simplification.
- Developed an integration between two CRMs to sync information between systems.
- Played a key role in moving 200+ models from Spark and pure SQL to dbt in Snowflake, focusing on best practices, validation, refactoring, and performance improvement. Set up monitoring for data freshness, transformation and testing using dbt-expectations, Elementary, Airflow, Datadog, and Slack notifications.

Data Engineer

Indicium Tech | Feb 2021 - Mar 2022

- Developed and deployed dozens of data pipelines to ingest and process data from REST, SOAP and GraphQL APIs to different data warehouses, using Python, Singer Taps, Airflow, Airbyte and dbt;
- Constructed and sustained production infrastructure on GCP and AWS, utilizing Terraform, Docker, AWS ECS and Kubernetes;
- Implemented structured CI/CD with Bitbucket Pipelines for code linting and testing, as well as application deployment;
- Assisted in onboarding and training for new data engineering team members.

Researcher

Precision Engineering Laboratory | Mar 2018 - Mar 2020

- Developed a software in Python to simulate the cinematics for a plane honing manufacturing process;
- Acquisition and processing of data related with conventional and non-conventional manufacturing process.