

Cristian Dávila Carmona

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Data engineering professional with +9 years of experience in Computer Science. Passionate about Artificial Intelligence, especially focused on Big Data and Machine Learning.



Experience

Caravelo: Senior Data Engineer

Sector: Travel subscriptions

2023 - current

- Design and implementation of a Datalake with Redshift, Kinesis and DBT (for aggregated views and tables from different sources)
- Implemented an automatized pipeline for ingestion and reporting for modeling, transformation, normalization and serving data
- Cross-team collaborations (ad-hoc reports, data forensics for outages, alignment between teams)
- Data quality: monitor/alert data anomalies, business metrics
- Data catalog: comprehensive documentation for our pipelines
- Devops practices: CI/CD, unit and end-to-end tests
- Modeling and serve data for our clients

Arex Markets - Bankable: Senior Data Engineer

Sector: Fintech

2022 - 2023

- Implementation of gRPC APIs to serve data internally and externally
- Manage lifecycle for ML and Analytics projects
- Manage Data APIs and services in Kubernetes
- Give support to Data team (deploy, permissions, processes, etc)
- Data modeling with DBT in BigQuery

Veepee: Data Engineer

Sector: Retail

2020 - 2021

- Set up of deploy pipelines for several projects
- Design and implementation of versioning for ML projects
- Implementation of ETLs using DataFlow
- Implementation of gRPC APIs for serving data
- Templarization with Helm and Skaffold
- Data modeling with DBT

Skills

Adept in programming with Python (data or backend services)
SQL for retrieving and transforming data

Scala, C/C++, Java, Javascript, Haskell as known and used languages

Bigquery, RedShift, Kubernetes, GCP and AWS products, Github/Gitlab as main software or platforms

Education

UPC - FIB

- Bachelor Degree in Computer Science (2010-2015)
- Master in Artificial Intelligence (2015-2017)
- Cybersecurity course (2016-40 hours)

Coursera

- Functional Programming Principles in Scala
- Parallel programming
- Functional Program Design in Scala
- Google Cloud Big Data and Machine Learning Fundamentals

Broker Genius: Data Engineer and DevOps for Data

Sector: Ticketing industry

2018 - 2020

- Design and implementation of a Datalake with Scala, GCP and DBT
- Implementation of REST and SQL connectors in the Datalake
- Implementation of ETLs for different data sources and processes
- Integration of DBT to manage different layers of the Datalake
- Migration to Kubernetes with Helm of the data processes

Fundació I2CAT: Data Engineer

Sector: Research

2016 - 2018

- Design and implementation of a Big data platform prototype
- Participation in several European proposals (H2020)

Prous Institute: QA Automation and Data Engineer

Sector: Research

2015 - 2016

- Data Engineer
- Creation of machine learning models with chemical datasets