DATA ENGINEER **GCP**

AARÓN JUÁREZ ACOSTA

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EDUCATION

BS in Electric-Electronic Engineering at UNAM.

professional license: 13456894

EXPERIENCE

Senior Data Engineer (GCP) | Indra: October 2022 – Present

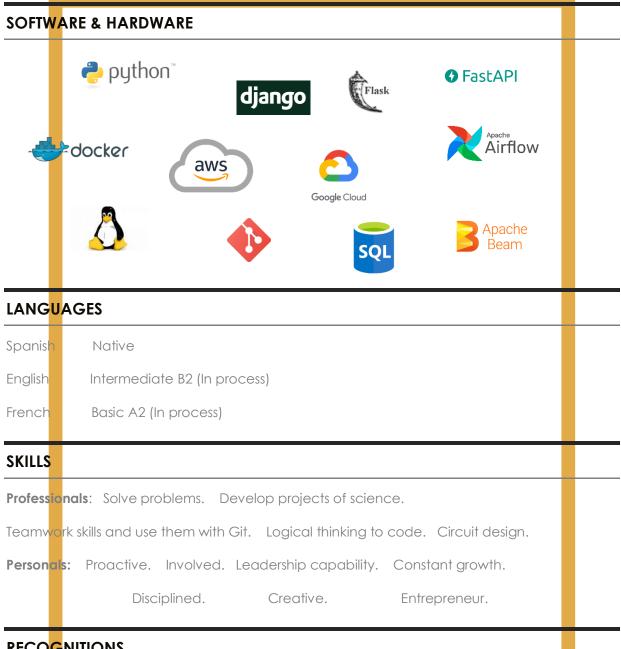
- Creation of templates (pipelines) in both Batch and Streaming for Apache Beam clusters with Dataflow.
- Orchestration of data pipelines using Apache Airflow.
- Cloud Storage Reporting in buckets using SQL in BigQuery.
- Maintenance and updating of Python and Bash code.
- Planning and development of data architecture using GCP services for data infrastructure.
- Development of Bash code for integration with CI/CD (Jenkins).
- Automation in the creation of Dataflow templates for new workflows.

Data Engineer (GCP & AWS) | Habi: January 2022 - October 2022

- Implementation of pipelines aimed at organizing data, using various methods such as API consumption, web scraping, database queries, among others, for data extraction.
- Creation of APIs to provide information in a structured manner.
- Development of dashboards to visualize information stored in datalakes and data warehouse,
 offering better insights for decision-making, as well as market reports.
- Planning and building architecture for solutions using Cloud technology (primarily GCP and secondly AWS)
- Management of servers for deploying web applications with Docker.

Freelance: "SEPOMEX-API". REST API developed with **Python** and **Flask**. The client company required an application to query postal code data in Mexico via an API for consumption by a frontend. The information provided by SEPOMEX was extracted. An ETL process was developed since the data was in

Excel format; a Python script was created using Pandas and SQLAlchemy to migrate all important column data to a PostgreSQL database. Additionally, an authentication system was implemented to access the API, and the database queries were deserialized using the Marshmallow library for JSONformatted responses.



RECOGNITIONS

- Finalist at "Science and engineering fair of state of Mexico 2019 (FECIEM)" with a team project named: "Guitar amplifier with Nutube technology and gain controls through Android devices <u>Certificate</u> -
- ifier for electric guitar (unam.mx)".
- Participating at international multi-disciplinary congress of researching, -Constancy-