

# DATA ENGINEER GCP

## AARÓN JUÁREZ ACOSTA

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### EDUCATION

BS in Electric-Electronic Engineering at UNAM.  
*professional license: 13456894*

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### 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 **JSON**-formatted responses.

## SOFTWARE & HARDWARE



## LANGUAGES

Spanish	Native
English	Intermediate B2 (In process)
French	Basic A2 (In process)

## SKILLS

**Professionals:** Solve problems. Develop projects of science.

Teamwork skills and use them with Git. Logical thinking to code. Circuit design.

**Personals:** Proactive. Involved. Leadership capability. Constant growth.

Disciplined. Creative. Entrepreneur.

## 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." - [Certificate](#) -
- Participation in bulletin from the UNAM magazine with the project "[Innovative remote-use amplifier for electric guitar \(unam.mx\)](#)".
- Participating at international multi-disciplinary congress of researching. -[Constancy](#)-