

## Julio Cesar Moreno Ramon

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### ***Career Summary***

Julio has been working with data for nearly 15 years. He began his career in data administration, focusing on Oracle, and also supported application servers while working with various databases such as SQL Server, Sybase, DB2, MySQL, Spanner, and non-structured databases like MongoDB. He has created models, data marts, and data warehouses using pipelines, cubes, and visualizations for various projects.

In recent years, Julio has focused on cloud technologies, participating in data ingestion, data transformations, and data warehouse migrations to Cloud SQL and BigQuery. He has experience moving data to Cloud Storage, managing it, creating data pipelines with Python in Dataflow, creating clusters, and executing jobs in Dataproc using ephemeral clusters and work templates for managed jobs. Additionally, he has used Cloud Composer to generate DAGs for scheduling pipelines or processing jobs in GCP.

On a previous project, Julio worked as a developer with a proven track record in designing and architecting ETL solutions using Oracle Data Integrator (ODI). He has worked on enhancements and mid-sized projects, demonstrating his ability to adapt to varying project scopes and requirements. Julio possesses a keen eye for data load monitoring and continuous improvement, constantly seeking ways to enhance efficiency and optimize performance.

- 8+ years of experience in data analysis and engineering roles.
- Expertise in data gathering, cleaning, transformation, and loading (ETL) processes from diverse sources.
- Proficient in data analysis techniques including statistical analysis (regression, clustering, time series analysis), data visualization, and data mining.
- Strong experience in developing and maintaining data pipelines for efficient data flow and processing.

### **Azure Databricks Expertise:**

- In-depth knowledge of Azure Databricks for data engineering tasks, including data ingestion, transformation, and loading.
- Experience in developing and managing data pipelines, executing scalable jobs, and optimizing cluster configurations.
- Proficiency in leveraging Azure Databricks for advanced analytics, machine learning, and data warehousing solutions.
- Integration of Azure Databricks with other Azure services for comprehensive data solutions.

### Summary of Qualifications

#### ***ETL's***

- ODI , Snowflake, Alteryx , utilizing **Postman** for API integration and **Selenium** for web scraping.

#### ***Programming languages***

- Go - Python - SQL (ANSI) - Spark - Java

## **Cloud**

- **AWS**

-EC2, Lambda, S3, RDS, Glue, CloudFormation, CloudWatch, IAM, KMS, VPC, EMR, DynamoDB, Neptune  
(AWS Tech Stack for Data Engineering)

- **GCP**

- Cloud Storage - IAM  
- Bigquery - Cloud SQL  
- Dataflow - Dataproc - Dataprep  
- Composer - DataStream - Dataform  
- Dialogflow - Dataflow

- **Azure**

- ETL Tools: Azure Data Factory, Azure Databricks,  
- Databases: Azure Cosmos DB  
- Cloud Services: Azure IAM

## **ETL**

Dbt, Debezium

## **Apache**

Airflow, Nifi

## **Databases**

- MySQL - Oracle (and PL-SQL) - Microsoft (SQL server), PostgreSQL, AlloyDB, Graph DB (Neo4j).  
- MongoDB - GCP Spanner, Couchbase.

EBS R 12, Oracle Financials, Hyperion, Lawson.

## **Visualization**

- Google DataStudio  
- Looker, PowerBI

## **Methodologies :**

Agile, Kanban. Scrum.

## **Languages**

1. Spanish (native speaker)
2. English (Advanced)
3. German (intermediate)

## **Career History**

*GLOBANT, MEXICO*

*Jan 2022 - Current*

Data Architect

Move data to Cloud Storage and manage files (storage classes and permissions).

Migrations of relational databases to Cloud SQL.

Migrations of relational databases and data warehouses to Bigquery.

Use partitioning and clustering in Bigquery, query tables with record data types and best practices.

Create pipelines with Python in Dataflow, using Storage, Bigquery and Pub/Sub as source and Bigquery and Cloud Storage as destinations.

Migration clusters to Dataproc send data to Cloud Storage, create ephemeral clusters to process jobs, create new processing pipelines jobs with Pyspark using Dataframes.

Cloud Composer to generate DAGs on the services in GPC mentioned above to scheduler pipelines or process jobs.

Monitoring Replication Oracle Golden Gate Processes, Perform Health Checks, Review GoldenGate logs.

*Google MEXICO*

*June 2021 - Dec 2021*

*Data Engineer*

Looker development, Models created using LookML, dashboards enabled for client's use cases.

Liquid development for optimizing dashboards created using LookML in Looker Platform.

Google DTS (Data Transfer) for transferring Data between different Cloud providers.

Create pipelines in Datafusion with services on the cloud.

*HDI, LEON, MEXICO KSP*

*May 2019 - Apr. 2021*

*PL/SQL Developer*

Reinsurance process Optimization.

Rebuild of the Data Structure according to standards.

Project Iteration using Agile and Azure as Platform.

Universidad Tecnologica, LEON, MEXICO

course to provide data loads into Virtual Machines using Oracle OIC, Azure and AWS.

provide Network Fundamentals (Cisco course).

*Freelance, Leon, Mexico*

*Jan 2020 – May 2020 Developer*

- working with APEX (Oracle).
- OCI , python (basic course) .
- AWS path way (course taken).

*DXC, Guadalajara, México*

*May 2018-Dec 2018 Oracle Rac DBA*

- Global IT operations Support (around 14000 Oracle databases in HP)
- Network Environment Configuration for new Databases in Cluster.
- Preparing Client Connections.
- Handling Tools for Network Configuration.
- Listener Configuration (SCAN of Oracle Grid Infrastructure).
- Data modeling: Conceptual, Logical and Physical models, normalization , Primary Keys, Foreign Keys.

*Santander, Querétaro, México*

*Feb 2018 - May 2018 Oracle DBA*

- Command Center support ( Oracle, Sql Server, DB2 and MongoDB databases).Performance Tuning/Execution Plan/Query Optimizer, Deadlocks, locking, blocking, Stored Procedures.
- Troubleshooting to Network issues ( enabling communication between hosts ).

*Ericsson, Cd Mexico*

*Oct 2012-Dec 2016 Senior Engineer /Oracle DBA*

- Starting up and Down of Banking operations processes, for African markets.
- Mobile wallet platform integration.
- Leading Support Processes code development in PL SQL.
- Performance revision for Sprint Network Sites. US Support to different markets and Technologies such as Samsung, Ericsson, Lucent.

- Incidences Handling for Performances issues related to down & sites with alarms,
- Incidences Documentation usage in Trouble report handling tool (TRAMS).
- Reports of incidence's advance.
- Support for the Altamira Charging system of Telefónica in Perú, Mexico, and also Centro American countries for the SG node ( OPGE, PPGA, RASC and PPCS ).
- Incidences Handling for the Altamira Charging System related to services bolt-on into the ERP solution,
- Planning of Maintenance windows for taking corrective actions and solutions related to incidences.
- Incidences Documentation usage in Trouble report handling tool (WGA).

## **Education**

*Instituto Tecnológico de León, León , Mexico Jun. 1991 – Dic 1996 Systems Engineering*

*Instituto Tecnológico de León, León , Mexico Jun. 2002 – Mar. 2004 Master Degree in Computer Sciences*

*Oracle Administration Preparation 2000/2001.*

*GCP Professional Data Engineer Preparation 2022 (current)*

*GCP Associate Cloud Engineer certification Jan 2023.*

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