

RODRIGO HERNÁNDEZ MOTA

SENIOR DATA ENGINEER

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EXPERIENCE

Senior Data Engineer

PayClip

📅 2019-09-09 – current 📍 Remote - GDL, MX

- Development & support of the OLAP environment: Data Lake (e.g., S3, parquet, delta tables) & Warehouse (Snowflake, dimensional data modeling).
- Data replication (CDC) & integration ETL/ELT development with pyspark.
- Implemented a serverless architecture in AWS Cloud: Lambda, SQS, etc.
- Developed a set of internal tools and python libraries (e.g., machine-learning support libraries for data scientists).

Adjunct Professor - Math and Physics Department

Western Institute of Technology and Higher Education

📅 2019-08-01 – current 📍 ITESO, MX

- Lectures: **Credit Risk, Data Engineering.**

Senior Data Engineer

LeadGenius

📅 2018-11-05 – 2019-09-07 📍 WeWork Landmark GDL, MX

- Created a data integration platform using Scala & Apache Spark.
- Implemented entity resolution algorithms for data quality assessment.
- Developed and support python data application backend implemented on Django, Elasticsearch, Postgresql, Kafka, Redis, and Snowflake.

Consultant - Big Data Engineer

Intersys Consulting

📅 2018-03-20 – 2018-11-02 📍 Punto Sao Paulo HSBC GDL, MX

- Designed a Scala Basics Nanodegree for fellow consultants.
- Internal projects and client-facing POCs using big data tech (e.g., Akka Http & Streaming, Cassandra, Kafka, Spark).

Junior Data Scientist

CRABI Insurtech

📅 2017-02-01 – 2018-03-16 📍 Andares Corporativo GDL, MX

- Worked on the development of pricing models & risk prediction algorithms.
- Contributed to the implementation of a real-time data processing pipeline with Kafka & Apache Spark for IoT devices.

Professional Project - Data Science

IIEG Jalisco

📅 2017-07-01 – 2017-12-01 📍 ITESO, MX

- Economic variables forecast for the Institute of Statistic and Geographic Information (Jalisco) using machine learning methods implemented on Tensorflow, Sklearn, and XGBoost.

Intern Data Scientist

CRABI Insurtech

📅 2016-11-01 – 2017-02-01 📍 Andares Corporativo GDL, MX

EDUCATION

Executive program in Business Management

Tecnológico de Monterrey

📅 Sept 2018 – Feb 2019

B.Sc. in Financial engineering

Western Institute of Technology and Higher Education

📅 Jan 2013 – May 2018

- Graduated as an outstanding student (top-tier) with global note of 98/100.
- International Exchange Program at ESSCA in Angers, France. Foreign studies related to economics and business.

VOLUNTEER

Mentoring on Saturdays AI

SaturdaysAI

📅 2019 – 2020 📍 GDL, MX

- Lectures and mentoring related to machine learning.

Academic Council

Math & Physics department at ITESO

📅 2014 – 2016 📍 GDL, MX

- Contributed to the financial-engineering career path & framework.
- Promote awareness of financial-engineering concepts in the corporate sector.
- Study groups on math-oriented courses and programming languages.

Financial-engineering Student Union

ITESO

📅 2013 – 2014 📍 GDL, MX

- Founding member of the financial-engineering student union.

INTERESTS

Data Science Engineering Big Data
Functional programming Blockchain
Machine Learning Distributed Systems
Reactive Systems Architecture Design
Financial Engineering