Omar Gutiérrez | 2748879

Data Scientist | Software Engineer

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Data scientist and software engineer | Skilled in data-driven work : machine learning and data visualization. Experience across the entire software development life-cycle : Analysis, design, development, and deployment.

💼 EXPERIENCE

APR 24 – DEC 24 — Python developer, TCS (VENMO BY PAYPAL), Remote, Mexico
> Part of the team that developed a feature to reload funds based on a minimum balance threshold.
> High availability architecture implementation, testing, and deployment using AWS tools such as SQS, Lambda, DynamoDB, API Gateway, and VPC lattice.
> Deployment using Github Actions workflows and Helm
> Implemented IAM policies for non-trivial scenarios

`Python` `AWS` `CDK` `DynamoDB` `IAM` `Lambda` `SQS` `API Gateway` `VPC` `pytest` `GH Actions` `helm` `Docker` `EKS` `Datadog`

JAN 24 – APR 24 — Python data developer, ESP OIL AND GAS ENERGY, Mexico
> Develop a system to manage the life cycle of electro-submersible pumps (ESPs)
> Analytics of oil data using PySpark
> AWS deployment using AWS Lambda

`Python` `boto` `Spark` `FastAPI` `AWS` `React` `Nextjs`

OCT 23 – NOV 23 — Freelance Python/React developer, SMARTTRACKER, Remote, Mexico
> Designed and implemented an small chatbot app
> The chatbot relied on a knowledge graph created with Neo4j and LangChain

`Python` `Django` `React` `Nextjs` `Neo4j` `LangChain`

OCT 22 – JUN 23 — Python developer, SOFTTEK, Remote, Mexico
> Migrated a service from : Lambda, SQS, EC2, and S3.

`Python` `boto` `AWS` `Lambda` `SQS`

OCT 19 – SEP 22 — Data scientist | programmer, DATAHOME, Villahermosa, Mexico
AML System. Develop a platform to prevent money laundering.
> Translated the base code from R to Python
> Data visualizations, planned and implemented the web platform
Seismic AI. A platform to deal with seismic cubes.
> Detection of seismic faults using a convolutional neural network.
> Detection/classification of seismic facies using a CNN.
> Front-end to visualize the cubes, failures, and facies.

`Javascript` `TypeScript` `React` `Python` `Django` `PostgreSQL` `MongoDB`

DEC 13 – SEP 15 — Fullstack developer, DATAHOME, Villahermosa, Mexico
Datawork. Implemented and deployed the first stage of a novel ERP.
> Lexical analyzer to interpret payroll rules.
> Nested set model to implement the accounting accounts.

`Javascript` `JQuery` `Python` `Web2py` `PostgreSQL`

🎓 EDUCATION

2022-2028	**Bachelor in Mathematics**, Universidad Abierta y a Distancia de México, Mexico
2015-2018	**Master in Computer Science, Intelligent Systems specialization**, University of Bonn, Germany
2007-2012	**Bachelor in Computer Systems**, University of Tabasco, Mexico