

DANIEL GONZALEZ

Toronto, ON • 4376620134 • daniel.andres.gonzalez.menza@gmail.com • linkedin.com/in/danielgonzalezmenza

Professional Summary

Results-driven Data Scientist with extensive experience in machine learning model development, MLOps, and cloud-based solutions. Proven expertise in implementing high-performance models that optimize business operations. Adept at collaborating with cross-functional teams to deliver actionable insights and innovative solutions. Recognized for streamlining pipelines, improving scalability, and enhancing decision-making processes in data-driven environments. **Skilled in leveraging tools like Python, R, AWS, and GCP for model deployment, automation, and data analysis.**

Skills

- | | | |
|--------------------------------------|---|---------------------------|
| ✓ Machine Learning Model Development | ✓ Model Deployment in Production | ✓ Problem-Solving |
| ✓ Statistical Data Analysis | ✓ Geospatial Data Analysis | ✓ Effective Communication |
| ✓ Predictive Modeling | ✓ Data Visualization and Reporting | ✓ Team Collaboration |
| ✓ Data Pipeline Optimization | ✓ Continuous Integration and Delivery (CI/CD) for ML Models | ✓ Critical Thinking |

Other Technical Skills & Tools

Python | R | GitHub | Docker | AWS Lambda | AWS Step Functions | AWS ECR | Hadoop | Spark | HBase | Phoenix | Cassandra | MongoDB | Sqoop | Flume | Kafka | Oozie | Machine Learning | Deep Learning | Artificial Intelligence | Natural Language Processing | Neural Networks | Social Media Analytics | Linux | Oracle | ETL Development | PowerBI

Work History

MLOps Engineer | May 2024 – Present

Teamcore | Remote

- Standardized and optimized the **continuous delivery pipeline** for existing retail machine learning models, improving deployment efficiency and ensuring consistent high-performance across production environments.
- Contributed to the **migration of machine learning models** from AWS to **Google Cloud Platform (GCP)**, enhancing scalability, reducing infrastructure costs, and streamlining cloud operations.

Senior Data Scientist/Semi Senior Data Scientist/ Junior Data Scientist | June 2019 – May 2024

Grupo Bit | Colombia

- Developed and deployed **machine learning, deep learning, and statistical models** in Python to generate actionable business insights, including a **Recommendation System** that increased client sales by **21%**.
- Built predictive models using **exogenous data**, increasing information consumption by **15%** and uncovering new business opportunities.
- Implemented a **serverless pipeline in AWS** (Step Functions, ECR, S3) to reduce processing time by **95.83%** (12 hours to 30 minutes).
- Redesigned a matrix-based similarity process, reducing computation times by **98.99%** through optimized operations.
- Migrated models to a **GPU-optimized JAX environment**, achieving **100x faster execution** and reducing operational costs by **75%**.
- Created an **automated R-markdown application** for PDF/Excel reports, reducing delivery time from **7 days to 20 minutes** and boosting data consumption by **7%**.
- Streamlined model deployment with **AWS serverless architecture**, reducing processing time by **90%** and human intervention by **98%**.
- Collaborated with cross-functional teams to develop client-focused communication channels, earning **first place** for innovation in the **Grupo Bit Business Challenge**.

Education

Postgraduate Certificate in Big Data Analytics – Lambton College, Canada | 2024

Bachelor of Statistics – Universidad del Valle, Colombia | 2018

Specialization in Business Intelligence and Big Data – Universidad del Valle, Colombia | 2018

Affiliations

Member, Sigma Statistical Studies Center | 2014 – 2018

- Provided tutoring and advisory services to students, supporting their understanding and application of statistical concepts and methodologies.
- Collaborated with peers to promote academic excellence and enhance statistical literacy among students.