

Alexander Bolaño

Senior Data Engineer

(+57) 3222007879 | abolano.datexland@outlook.com | [LinkedIn](#) | [Github](#) | [Portafolio](#) | Bogotá, CO

Work Experience

Wizeline June 2024 to Present

Senior Data Engineer at Infobae _____

- Designed and implemented a comprehensive data warehouse for Infobae, enabling efficient data storage and analysis.
- Established a robust data lake to store structured and unstructured data, facilitating holistic data management and insights
- Defined the standard of how Infobae should move data from Arc API content into the data warehouse
- Migrated over 1.7 million records via API, including over 850 thousand subscribers, to the data warehouse
- Optimized BigQuery table partitioning to minimize costs and enhance query performance

Rappi March 2021 to June 2023

Senior Data Engineer _____

- Increased sales leads by 20% for Rappi restaurants in Latin America through a custom Python, Folium, and Google Maps API app
- Reduced geospatial data analysis time by 80% (from 24 hours to under 4 hours) using automation, accelerating insights and decision-making
- Developed a data visualization app to identify optimal expansion areas, guiding strategic growth for Rappi's restaurant vertical
- Implemented Apache Spark to achieve an 80% speedup in data processing, ensuring timely data insights and improved business agility

Vida 18 March 2020 to February 2021

Data Scientist _____

- Built an object detection YOLO model from scratch to detect the phenological state of the rose to predict the right cut
- Implemented a cutting-edge counting algorithm, reducing human count times from 1 hour to under 5 minutes, showcasing a 90% improvement
- Accelerated object counting and successfully deployed models on resource-constrained devices like Raspberry Pi

Payvalida April 2019 to December 2019

Data Engineer _____

- Automated all payment gateway transaction reports, alleviating the administrative burden
- Implemented Python scripts to achieve an 80% speedup in data processing, ensuring timely data insights and improved business agility
- Provided valuable insights to our largest client by creating an incredible dashboard

Computer Science Expertise and Projects

Programming Languages: Python, SQL, Scala
Frameworks / Libraries: Pandas, Spark, PySpark, Geo pandas, Folium, Beautiful soup, sci-kit learn, Streamlit, Google Maps API, YouTube API
Orchestration Tools: Airflow, Step Functions, AWS Lambdas, Mage, Nifi
Databases: Postgres, Snowflake, BigQuery, AWS Redshift
Streaming Data: Apache Druid, Kafka, Timeplus
Infrastructure as Code / Containerization: Terraform, Docker
Cloud Provider: AWS, GCP and Databricks
Certifications: Apache Airflow Fundamentals, Apache Kafka Fundamentals, Mongo DB Basics, a Practical Dive into Data Build Tool (dbt)

Education

Universidad Industrial de Santander - UIS
BACHELOR OF SCIENCE, Petroleum Engineer June 2013