

KEYSIE SANCHEZ ROSARIO

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Technical Experience

- Thryv
Senior Data engineer

United States (Remote)
2024 – Present

 - Built and managed large-scale ETL pipelines using **dbt Cloud, Apache Kafka, Hive, AWS, and Snowflake**, enabling efficient real-time Big Data processing and NLP/AI-driven platforms.
 - Optimized warehouse cost by **20%**, and reduced the transformation layer cost by **+10%** through data modeling and pipeline redesign.
 - Designed and deployed multiple real-time data ingestion pipelines enabling advanced analytics and AI use cases across e-commerce companies.
- MCTEKK
Data engineer

United States (Remote)
2023 – 2025

 - Orchestrated ETL pipelines leveraging **dbt Core, Dagster, MongoDB, and Snowflake** to deliver scalable Big Data and AI solutions.
 - Developed **multi-agent and NLP-based AI solutions** applied across various companies.
 - Built backend systems in Python and led AI initiatives supporting Big Data solutions and data migration projects for veterinary clinics across the U.S. at [NectarVet](#).
- PUCMM
Data Scientist – NLP Research Project

Dominican Republic (Hybrid)
2023 – 2024

 - Developed and deployed NLP-driven recommendation models in Python, enabling actionable insights and improving decision-making across projects.
- Huawei Technologies
Core Network AI Support Engineer

China (Remote)
2022 – 2023

 - Developed and deployed AI models leveraging Huawei Cloud services, including **MindSpore** and **ModelArts**, to support Core Network operations.
- Arboleda Group
Design and Development manager

Dominican Republic (On-site)
2021 – 2023

 - Gathered and analyzed project **data** to develop **interactive dashboards**, overseeing production and design cycles for **20+ projects**, ensuring alignment with project requirements.
 - Optimized workflows through data-driven strategies, enhancing efficiency across cross-functional teams.
- Project Analyst

 - Assisted senior managers in developing project plans, focusing on **data-driven insights** to optimize project strategies.

Training Experience

- 2020 – 2025
- Delivered **AI, Data Science, Robotics, and Software training** for professionals and students across **10+ countries**, in collaboration with leading institutions such as **E&S Global, INFOTEP, and ITLA**.
 - Designed and launched **30+** practical career programs with hands-on training in **chatbot development, NLP, machine learning, Big Data, and robotics** applications, reaching professionals and students across Latin America.
 - Conducted **25+ workshops and seminars** for companies and organizations in sectors including **fintech, supply chain and healthcare** and instructed **400+ students** in advanced technical programs, preparing professionals for certifications and driving adoption of emerging technologies.

Education

- CEUPE
M.S. in Artificial Intelligence

Madrid, Spain
2021 – 2023
- PUCMM
B.S. in Computer Science Engineering

D.N., Dominican Republic
2021 – 2024
- ITLA
A.S. in Mechatronics

D.N., Dominican Republic
2018 – 2021