

# KEYSIE SANCHEZ ROSARIO

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## Technical Experience

**Thryv** United States (Remote)  
Senior Data engineer 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** United States (Remote)  
Data engineer 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** Dominican Republic (Hybrid)  
Data Scientist – NLP Research Project 2023 – 2024

- Developed and deployed NLP-driven recommendation models in Python, enabling actionable insights and improving decision-making across projects.

**Huawei Technologies** China (Remote)  
Core Network AI Support Engineer 2022 – 2023

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

**Arboleda Group** Dominican Republic (On-site)  
Design and Development manager 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** Madrid, Spain  
M.S. in Artificial Intelligence 2021 – 2023

**PUCMM** D.N., Dominican Republic  
B.S. in Computer Science Engineering 2021 – 2024

**ITLA** D.N., Dominican Republic  
A.S. in Mechatronics 2018 – 2021