

Contact

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www.linkedin.com/in/anderson-morillo-792515153 (LinkedIn)

Top Skills

Python (Programming Language)

Researcher

Software Development

Languages

English (Full Professional)

Spanish (Native or Bilingual)

Certifications

Marco web Django

Anderson Morillo

Python Developer and NLP Researcher

Cartagena, Bolívar, Colombia

Summary

I am System Engineer and AI researcher with a strong background in full-stack development, data science, and cloud architecture. Currently, as a contract Software Engineer at Del Laboratorio al Campo, I designed and implemented an end-to-end meteorological monitoring system for San Andrés and Providencia. This solution, built from scratch using VPS and TimescaleDB, integrates real-time weather data processing, CI/CD pipelines with Coolify, interactive interfaces in Streamlit, and an early warning system that enhances community safety.

In addition, I serve as a research assistant at the VerbaNex AI Lab, Universidad Tecnológica de Bolívar, where I focus on natural language processing projects and have presented my findings at international conferences. My industry experience also includes an IT infrastructure internship at ESENTTIA, where I optimized data ingestion and developed data pipelines within the Azure ecosystem using Data Factory and Databricks.

I am passionate about leveraging technology to drive innovation and social impact, and I am eager to apply my diverse skill set to new challenges in the fields of data science and AI.

Experience

Del Laboratorio al Campo

Software Engineer

July 2024 - Present (11 months)

Colombia

As an independent full-stack developer, I transformed the meteorological monitoring of San Andres and Providencia through an end-to-end system that I developed completely from scratch. Assuming all technical roles, from cloud architect to frontend developer, I built a robust solution that processes real-time weather data. The architecture I designed and implemented, based

on VPS and powered by TimescaleDB, achieved a reduction in response times. I developed every component of the system: from the APIs and CI/CD infrastructure with Coolify, to the interactive interfaces in Streamlit and the early warning system that now protects the island community.

Universidad Tecnológica de Bolívar

Student Research Assistant

July 2022 - Present (2 years 11 months)

Cartagena, Bolívar, Colombia

Research focus in natural language processing in the VerbaNex AI Lab <https://github.com/VerbaNexAI>

ESENTTIA

IT infrastructure intern

September 2023 - March 2024 (7 months)

Colombia

Create solutions to optimize the data ingestion of a predictive model and developing solutions to facilitate the creation and analysis of data using Azure ecosystem with data factory and Databrick with Data Engineering practices. Also supporting technological infrastructure, participating in IT projects, monitoring service performance, and updating technical documentation.

Education

Universidad Tecnológica de Bolívar

Master's degree, Artificial Intelligence · (August 2024 - June 2026)

Universidad Tecnológica de Bolívar

Ingeniería de Sistemas y Computación · (August 2019 - March 2024)