




Sergio Monsalve

Contact Information:

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 Medellín, Colombia

Career Summary

Systems Engineer and entrepreneur with **13+ years of experience** in software development, data science, and AI-driven solutions. Over the past 8 years, I've specialized in **Python-based backend development and machine learning**, delivering scalable solutions on **AWS** and **GCP** within **Agile environments**.

Former **Co-founder and CITO of Human Living Data**, leading data and IT teams to design and deploy impactful AI and data solutions. I'm a creative, hands-on problem solver who thrives in building technology that drives measurable business results.

Skills Summary:

Programming: Python, SQL, JavaScript, HTML, CSS
Frameworks: FastAPI, Flask, Django, Django-Ninja
Data Science: Pandas, Scikit-learn, Data Visualization, ETL, Dash Plotly
Cloud Platforms: AWS, GCP
APIs & Automation: REST APIs, RPA, LangChain, OpenAI
Other Tools: Git, CI/CD, Yaml, Markdown, Regex, Dagster

Languages

- Spanish (native - C2)
- English (advanced - C1)
- Portuguese (basic - A2)

Globant, Medellín, Colombia Python Developer

Nov. 2022 – Apr. 2025

Project: G4G AI

Backend developer:

Data engineering: Data orchestration process with Dagster, functionalities and data pipelines for an Agent as AI technical Coach.

Developed backend: feature development for Sensei AI, an Slack AI Agent.

Tools / Technologies: Python, Dagster, Langchain, Open AI

Project: Google Verily

Data engineering: data cleaning for data conciliation process

Developed backend functionalities, data transformation pipelines for a Health Industry Software.

Tools / Technologies : Python, Google pub sub, Golang, CI/CD, Yaml file config.

Project: GoDaddy

Developed a markdown parser for structured info files to a yaml to be ingested by an internal software.

Tools / Technologies: Python, Pandas, PyYaml, Regex, Markdown

Project: Autodesk

Developed API Endpoints for the test automation team.

Tools/Technologies : Python, Flask, Fast-API, Django, Django-Ninja

Human Living Data, Medellín, Colombia Jun 2021 – May 2022

Co-founder and IT lead

- Over 8K Millions (Col Pesos) of growth for our client with our customer segmentation strategy
- Design and creation of the first MVPs developments for services of the startup
- Design and Development of transactional data analytic dashboards for clients
- RPA for automating clients processes tasks from 2 months to less than 8 hours.

Tools/Technologies: Python, Scikit-Learn, Selenium, Dash Plotly, AWS

Responsibilities:

- Design and development for the strategic growth over data & IT for the company
- Opportunity detection and solutions for our clients with data models
- Design and development for MVP presented to clients
- Talent Management and continue development for the company developers team.

Inmotion Group, Medellín, Colombia Mar 2020 – Jun 2021

IT Lead

- Nequi payments API Integration with mobility app
- Geographic Data analytics for service optimization 55.000 high risk cardiovascular patients
- RPAs and Arcgis for Area Metropolitana project

Tools/ Technologies : Python, Pandas, Scikit -Learn, AWS

Responsibilities:

- Creation and execution of strategies for the analytics and IT department
- Dashboard construction and integration with GIS tools and developments
- Maintenance and improvement of tools and previous MVPs

Leonisa, Medellín, Colombia Nov 2018 – Mar 2020

Data Analyst

- Business Analytics dashboards for the directive board of the organization.
- Creation and deployment of the Marketing VP training strategy for using data driven approach
- ETLs for data analytics integrated data project

Tools/Technologies: Tableau, PowerBI, Python

Responsibilities:

- Data democratization for the Leonisa directive team
- Dashboard construction for the main areas of the company
- Data analysis for strategies with the marketing area

Education

Universidad EAFIT, Medellín, Colombia (Candidate) 2026

Master of Science in Engineering

Universidad EAFIT 2013

Medellín, Colombia

BS Systems Engineering