

Jua José Aristizábal Sarrazola

FULLSTACK DEVELOPER · MACHINE LEARNING ENGINEER

Medellín, Colombia

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Skills

Technical

Python (Proficient), Linux (Proficient), FastAPI (Proficient), NodeJs(Proficient), ML (Good), React (Good), Java(Good), Python Deep Learning(Good), Docker (Good), AWS (Good)

Languages

Spanish, English

Experience

Game Connect

Medellín

MACHINE LEARNING ENGINEER

Aug. 2023 - Present

- Spearheaded sentiment analysis initiatives, processing user comments to gain insights into user preferences, feedback, and overall gaming experience.
- Designed and implemented recommendation algorithms that provide game suggestions based on diverse gaming topics and user behavior, enhancing user engagement.
- Currently developing API endpoints to integrate machine learning models, facilitating third-party access and application, even though it's not yet in a production-ready state.
- Collaborated closely with a cross-functional team, ensuring the efficient integration of ML models into the platform's ecosystem and optimizing model performance based on live feedback.

Design Systems Inno

Medellín

FULLSTACK DEVELOPER

Jan. 2023 - Sep. 2023

- Led full-stack development across diverse projects, harnessing FastAPI, TypeScript, Node for backend and React for frontend applications.
- Integrated machine learning models with application backends to provide data-driven insights to end users.
- Optimized data processing and storage mechanisms to facilitate efficient data retrieval for AI modeling and analysis.

Fire Block Labs

Medellín

IoT TECHNICIAN

Oct. 2021 - May 2022

- Developed IoT devices and networks tailored for diverse crops, capturing essential environmental variables.
- Enabled AI-driven analysis by transmitting the captured data to a cloud server, facilitating real-time crop monitoring and traceability.
- Collaborated with a data analytics team to use the captured data for predictive modeling and optimization strategies.

Coraltech S.A.S

Medellín

ELECTRONICS TECHNICIAN

May 2020 - Sept. 2020

- Engineered a cost-efficient wearable microcontroller to determine geolocation coordinates with a precision that did not exceed one meter of error.
- Utilized advanced data algorithms to ensure the accuracy and reliability of geolocation data for applications needing high precision.
- Collaborated with the data science team to analyze geolocation data for potential applications in AI and predictive analysis.

Extracurricular Activities

Arunuka Lab Challenge

Medellín

WINNER

Jul. 2023

- Designed a digital platform to connect the digital content and video game ecosystem, facilitating valuable relationships and agile data-driven insights.
- Employed a technology stack comprising **Python FastAPI**, **React Native**, and **MongoDB**, to create a solution focused on seamless user experience and robust backend processing.

ITM - Sapiencia Hackathon: Sustainable Mobility

Medellín

WINNER

Jan. 2023

- Proposed a sustainable mobility app to trace student travels and promote eco-friendly transportation through incentive mechanisms.
- Utilized a combination of **Python FastAPI**, **React Native**, and **MongoDB** to deliver a high-performance application with a focus on user engagement and environmental impact.

Education

Instituto Tecnológico Metropolitano (ITM)

Medellín, Colombia

TECNOLOGÍA EN DESARROLLO DE SOFTWARE

Aug. 2019 - Jun. 2025

- The Systems Engineering program is carried out in articulation through propaedeutic cycles with Software Development Technology.

- Develop and implement software applications for Windows environments or Web environments on different platforms and programming languages.

Certifications

Sep. 2022 **Microsoft Certified**, Azure Data Fundamentals

Microsoft

Certifications

Sep. 2022 **Networking Academy**, Introduction to Cybersecurity

CISCO Certifications