

# Alejandro Sánchez Yalí - Sr. Full Stack Developer

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## SUMMARY

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Senior full stack software developer with a strong mathematical background and extensive experience in software development, artificial intelligence, and blockchain technologies. Proficient in Python, JavaScript, Rust, C++, and C. Passionate about exploring new ideas and contributing to innovative projects in computer science and mathematics.

## TECHNICAL SKILLS

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**Programming Languages:** Python, JavaScript, TypeScript, Rust, C++, C

**Frameworks & Libraries:** Django, React, TensorFlow, PyTorch, JAX

**Technologies:** AI, Blockchain, Machine Learning, Natural Language Processing

**Databases:** MongoDB, MySQL

**Cloud Platforms:** AWS, GCP

## EXPERIENCE

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### Full-stack Developer

*Monadical*

April 2021 – August 2024

*Montreal, Quebec, Canada*

- Developed full-stack applications using Django, React, and Python
- Contributed to blockchain solutions for NFT platforms and decentralized poker games
- Built AI tools for information retrieval using large language models (LLMs)

### Professor

*Universidad de Antioquía*

January 2010 – October 2021

*Medellín, Antioquia, Colombia*

- Taught courses in Machine Learning, Mathematics, and Physics
- Supervised a degree project on Category Theory and Machine Learning

### Full-stack Developer

*BCFort*

August 2018 – October 2020

*Colombia*

- Led development of blockchain solutions using Hyperledger Fabric and IBM Blockchain Platform
- Managed cloud infrastructure on AWS, GCP, and IBM Cloud

## EDUCATION

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### Universidad de Antioquía

*Master in Mathematics*

Medellín, Antioquia, Colombia

### Universidad de Antioquía

*Bachelor's in Teaching Mathematics and Physics*

Medellín, Antioquia, Colombia

## CERTIFICATIONS

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- Specialization - Applied Data Science with Python
- Solana Blockchain Developer Bootcamp with Rust + JavaScript
- Data Science: Transformers for Natural Language Processing
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