Alejandro Sánchez Yalí - Sr. Full Stack Developer

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SUMMARY

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

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

Full-stack Developer   April 2021 – August 2024
Monadical   *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   January 2010 – October 2021
Universidad de Antioquía   *Medellín, Antioquia, Colombia*
- Taught courses in Machine Learning, Mathematics, and Physics
- Supervised a degree project on Category Theory and Machine Learning

Full-stack Developer   August 2018 – October 2020
BCFort   *Colombia*
- Led development of blockchain solutions using Hyperledger Fabric and IBM Blockchain Platform
- Managed cloud infrastructure on AWS, GCP, and IBM Cloud

EDUCATION

Universidad de Antioquía   Medellín, Antioquia, Colombia
Master in Mathematics

Universidad de Antioquía   Medellín, Antioquia, Colombia
Bachelor's in Teaching Mathematics and Physics

CERTIFICATIONS

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