

Javier Martínez Sánchez

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Professional Summary

AI & Data Engineer holding a double degree in Computer Science and Statistics, with 3 years of experience. Specialized in the AWS ecosystem, DevOps methodologies, and Python development. Proven track record in developing a performance evaluation system that reduced delivery times by 7.6%, as well as integrating Artificial Intelligence tools to enhance the software development lifecycle.

Professional Experience

Santander CFGS

Valladolid, Spain

Data Solution, Infrastructure & Data Architecture Analyst

September 2023 – Present

- Refactored data lake code applying SOLID principles, achieving a 30.45% improvement in production code quality.
- Executed the comprehensive migration of a project, encompassing the transition and adaptation of both Cloud infrastructure and data pipelines.
- Adapted technical skills to integrate into a Cloud team, successfully deploying Infrastructure as Code (IaC) components on AWS using Terraform.
- Completed multidisciplinary technical training in the data ecosystem and Agile methodologies, including technologies such as Scala, PowerBI, and Jira.

Luce IT

Valladolid, Spain

Big Data Engineer (Internship)

June 2021 – August 2021

- Conducted exploratory data analysis (EDA) in Google Cloud on over 100 TB of data, facilitating subsequent modeling using machine learning algorithms.
- Collaborated on the development and implementation of a customer service chatbot focused on the courier and logistics sector.
- Programmed form field validations using regular expressions in Snowflake to ensure the integrity of input information.

Education

University of Valladolid

Valladolid, Spain

B.S. in Computer Science & B.S. in Statistics (Double Degree)

2017 – 2023

- **Bachelor's Thesis (Statistics - Data Science):** Developing a Predictive Model for Energy Consumption in a Smart Building (Grade: 9.6/10). [Code]. *Technologies: R, SAS, Tidyverse, TensorFlow.*
- **Bachelor's Thesis (Computer Science - Quantum ML):** Quantum-Based Machine Learning: Image Classification using Quantum Kernels. [Code]. *Technologies: Python (Jupyter), PyTorch, PennyLane.*

Skills & Certifications

Official Certifications: AWS Certified Cloud Practitioner, AWS Certified AI Practitioner (Early Adopter).

Languages: English (C1 Level - ISE III Certification, awarded by Trinity College), Spanish (Native).

Cloud & Data Technologies: AWS, Terraform, Spark, SQL.

Development & Version Control: Python, Git / GitHub, AI-Assisted Development (Devin, GitHub Copilot).