

Gonzalo Martínez Berzal

Data Analyst / Data Engineer

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PROFESSIONAL SUMMARY

Data Analyst / Data Engineer with 3+ years of experience building PySpark data pipelines on AWS and GCP for enterprise financial institutions. Proven track record designing NLP and Large Language Model (LLM) solutions, leading large-scale cloud data migrations, and coordinating Agile workflows across global teams. Master's in Data Science and AI, AWS Certified Cloud Practitioner.

SKILLS

Data Science & AI: Python, PySpark, Machine Learning, Deep Learning, Large Language Models (LLMs), Natural Language Processing (NLP), pandas

Cloud & Data Engineering: Amazon Web Services (AWS: S3, Athena, SageMaker), Google Cloud Platform (GCP: Vertex AI), Azure Databricks Fundamentals

Software Development: React, Angular, JavaScript, HTML/CSS

Tools & Methods: Agile, JIRA, Git

WORK EXPERIENCE

NFQ Advisory

Consultant, Data Analyst at BBVA

Madrid, Spain

Sept 2024 – Present

- Designed and optimized PySpark data structures in AWS SageMaker to support enterprise debt monitoring.
- Coordinated international work backlogs across 7 global geographies using Agile methodologies, improving cross-team delivery alignment.
- Led platform migration to JIRA and built automated tracking dashboards for MVPs, streamlining monthly executive reporting.

Associate Consultant, Data Analyst at BBVA

Sept 2023 – Sept 2024

- Built Natural Language Processing (NLP) chatbots on Google Cloud Platform (GCP) using Vertex AI to query and process custom institutional data.
- Migrated a legacy Python codebase to PySpark to execute a large-scale AWS data migration, leveraging SageMaker, S3, and Athena.

Ernst & Young

Research Project — Investment Strategy Applying Machine Learning Techniques

Madrid, Spain

Project

- Built an investment strategy in pandas combining technical indicators with machine learning models (XGBoost, Random Forest, SVM).
- Validated strategy performance through backtesting, using Sharpe and Sortino Ratios to benchmark risk-adjusted returns.

Optiva Media

Multiscreen Developer, Technical Leader

Madrid, Spain

Jan 2022 – Jul 2023

- Led frontend development for a streaming platform, owning architecture decisions and code quality standards across React and Angular.
- Built the core media player with Digital Rights Management (DRM) integration to ensure secure content delivery.
- Designed dynamic UI components and integrated native LG WebOS Magic Remote controls.
- Delivered production apps for FilmIn and Tivify.

EDUCATION

Master in Data Science and AI

University of Navarra

Sept 2023 – Jul 2024

Madrid, Spain

- Specialized in statistical and mathematical algorithms, deep learning, machine learning, and Large Language Models (LLMs).

Bachelor of Science in Computer Engineering

University Complutense of Madrid

Sept 2018 – Jun 2023

Madrid, Spain

- Bachelor's Thesis: Decentralized Finance — Integrated DeFi Platform for Cryptocurrency Fund Investments and Token Exchanges.

CERTIFICATIONS

AWS Certified Cloud Practitioner — Amazon Web Services (AWS)

Nov 2023

LANGUAGES

Spanish (Native) | English (Professional)