

Pablo Marcos Parra

AI Engineer | Generative AI, LLMs & Autonomous Agents

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PROFESSIONAL SUMMARY

AI Engineer with 4+ years building Generative AI, LLM and autonomous-agent systems and getting them into production, most of that in the financial sector at Santander Group. I work across the whole ML lifecycle, from ETL pipelines through to microservices deployed on Google Cloud Platform (Vertex AI), Azure and AWS. I also lead a team, run developer relations internally, and speak regularly at conferences and community events.

WORK EXPERIENCE

Applied AI Engineer

09/2023 – Present

Santander Consumer Finance Global Services – Santander Group · Valladolid, Spain

- Lead the design and delivery of automated process solutions on a microservices architecture used across business units.
- Build and deploy Generative AI and LLM solutions for financial services, including autonomous agents that take over knowledge-intensive workflows.
- Design and present GenAI demos and proofs of concept to executive and technical audiences to build buy-in for new AI work.
- Run internal developer relations: evangelize GenAI practices, build technical showcases, and demo them live to engineering teams.
- Build ETL pipelines and internal Python libraries that other teams reuse for their own analytics and ML work.
- Manage team resources and mentor junior analysts on how to design AI solutions.

AI Researcher

02/2022 – 08/2023

AIR Institute · Valladolid, Spain

- Researched and implemented Generative AI and LLM solutions, and helped bring transformer architectures into applied research projects early on.
- Built and interpreted ML models for Explainable AI (xAI), time series forecasting and predictive maintenance.
- Implemented NLP algorithms for text understanding and classification using transformers and embeddings.

SKILLS

Programming: Python (advanced), R, SQL, LaTeX

Generative AI & LLMs: LLMs, Prompt Engineering, RAG, Fine-Tuning, Agentic AI, Autonomous Agents, LangChain

Machine Learning & Deep Learning: TensorFlow, Keras, PyTorch, Scikit-learn, Time Series, Explainable AI (xAI)

NLP: Transformers, Embeddings, Text Classification, Named Entity Recognition (NER)

Data & MLOps: ETL Pipelines, Microservices, REST APIs, Docker

Cloud: Google Cloud Platform (Vertex AI), Microsoft Azure AI, Azure Cognitive Services, AWS

Leadership & Communication: Team Leadership, Developer Relations, Public Speaking, Mentoring

EDUCATION

MSc in Data Science · Universitat Oberta de Catalunya (UOC) · EQF Level 7

BEng in Computer Engineering · University of Valladolid, Spain · EQF Level 6

BSc in Statistics · University of Valladolid, Spain · EQF Level 6

CERTIFICATIONS

Azure AI Fundamentals (AI-900) · Microsoft

Introduction to Quantum Computing · UNED

LANGUAGES

Spanish · Native **English** · C1 / C2, professional working proficiency

COMMUNITY & VOLUNTEERING

Google Developer Group Valladolid · Organizer & Speaker · Feb 2023 – Present

Young Programmers Club · Python Instructor, ages 12–18, Informatics Olympiads preparation · Oct 2022 – Present

Google Developer Student Club · Lead · 2021 – 2023