

# Javier Cayetano Matas Pose

Senior AI Engineer | Specialized in Data Consulting, Generative AI & LLMs

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## SUMMARY/OBJECTIVE STATEMENT

**Senior AI Engineer** with with 3+ years of experience **designing and deploying GenAI applications in production..** Strong hands-on expertise in Python, FastAPI microservices, vector stores, RAG pipelines, and AI workflow orchestration. Skilled in cloud-native deployments using **Azure** or **AWS**, Docker, and Kubernetes, with experience delivering agent-based solutions. Proven ability to collaborate with cross-functional teams, translate business needs into scalable architectures, and deliver measurable efficiency improvements.

## WORK EXPERIENCE

- Senior Artificial Intelligence Engineer** June 2025 - now  
*Capgemini - Madrid, Spain*
  - **Agents & MCPs:** Currently developing **Agents** and **MCPs** for Santander Bank with **AWS** stack.
- Artificial Intelligence Engineer** 2023 - May 2025  
*DXC Technology - Madrid, Spain*
  - **Consulting AI & Stakeholder Engagement:** Developed, designed and deployed an executive summarization tool, in collaboration with stakeholders, that reduces report preparation time by **50–70%**.
  - **Data Strategy & Architecture:** Worked on the construction of a scalable **Gen AI platform**, using FastAPI, PostgreSQL, and Vector Stores, enhancing operational efficiency.
  - **Cloud & Container Management:** Deployed and managed AI applications on **Azure** using Docker and Kubernetes, ensuring robust, scalable, and compliant production environments.
- Data Analyst** 2022 - 2023  
*SDG Group - Madrid, Spain*
  - **Business Analysis & Data Visualization:** Enhanced data-driven decision-making by developing Business Analytics applications using QlikView, QlikSense, and PowerBI.
  - **ETL & Data Strategy:** Executed complex ETL processes to streamline data manipulation in SQL, supporting data architecture and governance initiatives.

## PERSONAL PROJECTS

- AI in Financial Markets**  
*Master's thesis, investigation and entrepreneurship.*
  - Developed a deep reinforcement learning (**DRL**) trading system, inspired by AlphaZero and AlphaTensor, that operates in real time via a brokerage interface with returns up to **47.3%**.
  - Awarded **Top 3** at Robotrader's international algorithmic trading competition.
  - Presented keynote on AI-driven trading at the **Madrid Stock Exchange** (in Spanish).  
<https://www.youtube.com/watch?v=5EibcbIFkjs&t=7829s> (Starting at 1:32:4)

## EDUCATION

- M.Sc. & B.Sc. Telecommunications (Electrical) Engineering**  
*Universidad Politécnica de Madrid UPM, ETSIT - Madrid, Spain*  
*Specialization: Machine Learning, Deep Learning, Multimedia Data Science*

## TECHNICAL SKILLS

**Languages:** Spanish native, English C1+, German A2.  
**AI & ML Frameworks:** PyTorch, TensorFlow, Pydantic AI, LangChain, LangGraph, Hugging Face and A2A.  
**Data & Analytics::** NumPy, Pandas, PostgreSQL, Power BI, QlikView.  
**Cloud, DevOps & Version Control::** Azure, AWS, Docker, Kubernetes, Git, GitHub.  
**Programming languages:** Python +3 years, SQL +4 years, Bash/Shell scripting +1 year.

## ACHIEVEMENTS

- Robotrader top 3:** International quantitative trading algorithms competition. 2022-2023
- Conference at the Madrid Stock Exchange:** Presentation on the use of AIs in **financial markets**. 2023
- Mensa International member:** Largest and oldest high-IQ society in the world. 2023-now