

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 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