

# José Manuel Pandelo Pimentel

jmlpandelo@gmail.com | +34 613010176 | Madrid, Spain  
linkedin.com/in/jmlpp/ | github.com/Pandelo0398

## Summary

Multidisciplinary professional with a background in **Law and Data Science**, specializing in **Machine Learning, MLOps, and Business Intelligence**. Experienced in designing AI-driven solutions, optimizing **data workflows**, and enhancing decision-making processes through AI and process automation. Strong problem-solving skills and strategic thinking, focusing on efficient and scalable implementations.

## Experience

### IMDEA Networks Institute

Aug. 2023 – Present

#### Research Engineer, BI-ML/Ops, Data Engineer

---

- Conducted **data analysis on large-scale redundant databases** to identify inefficiencies and optimize query responses.
- Developed proof-of-concept **LLM-based solutions** to improve information retrieval for business questions.
- Designed workflows for **process automation and business intelligence reporting**, improving decision-making efficiency.
- Integrated and optimized APIs for internal AI applications, facilitating data-driven insights across departments.
- Implementing and maintaining **Kubernetes clusters** for AI workloads, supporting scalable deployments.
- Developing and managing **CI/CD pipelines** for automating model training and deployment.
- Deploying and orchestrating workflows using **Apache Airflow** to streamline ML and data processing tasks.
- Utilizing **MLflow** as an interim solution for model tracking and deployment, planning migration to **Kubeflow**.

### 4UK Handel's GmbH

Feb. 2023 – July 2023

#### Data Scientist / BI Developer (Remote)

---

- Built **10+ automated analytics dashboards** for KPI tracking and market insights.
- Conducted **data scraping on 100,000+ records** and NLP-based sentiment analysis for marketing insights.
- Developed **3 predictive models** improving customer retention by **15%**.

### CaixaBank SAU (Randstad)

Mar. 2022 – Sept. 2022

#### Project PAD (Mar. – June 2022) & Vacationing Account Manager (July – Sept. 2022)

---

- **Project PAD:** Led digital transformation initiatives impacting **500+ clients**, educating them on digital banking tools.
- **Vacationing Account Manager:** Managed **50+ loan and credit applications**, providing digital banking assistance to clients.

## Education

### Master's Degree in Digital Business

2023 – 2024

Spain Business School, UCAM Murcia

### Data Science Bootcamp

2022 – 2023

The Bridge, Digital Talent Accelerator

### Bachelor in Law

2015 – 2020

Pontificia Universidad Católica Madre y Maestra (PUCMM)

## Technical Skills

**Business Intelligence and Automation:** Power BI, RPA, SQL, Apache Spark, Apache Airflow

**Machine Learning & MLOps:** Python (Pandas, NumPy, Scikit-learn), TensorFlow, PyTorch, MLflow, Kubeflow, Hugging Face Transformers

**Development & Orchestration:** API Integration (REST, FastAPI), Flask, Streamlit, Kubernetes,

Docker, CI/CD, Git

**AI Specialties:** Explainable AI, Large Language Models (LLMs), LangChain, Text Mining & NLP

## **Certifications**

**Machine Learning Engineer** – Coursera

**Introduction to Cybersecurity** – Careers

**SQL & Python Fundamentals** – DataCamp

**Data Visualization** – IBM

**Diploma in Prevention of Money Laundering** – UNIBE (2020)

**Microsoft Office Specialist** – Colegio Dominicano de Educación Bilingüe (2015)

## **Languages**

**English:** Advanced   **French:** DELF B2   **Spanish:** Native or Bilingual