

RUI PINTO

Data Scientist & Machine Learning Engineer

Lisbon, Portugal

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PROFESSIONAL SUMMARY

Machine Learning Engineer delivering production ML systems across retail, finance, public sector, and automotive. End-to-end expertise from data pipelines and forecasting models to LLM/RAG applications and MLOps deployment on AWS, GCP, and Azure. MBA and Lean Six Sigma Black Belt - translating technical execution into business outcomes.

CORE COMPETENCIES

- ML Engineering: Python, scikit-learn, XGBoost, TensorFlow, PyTorch, FastAPI, Streamlit
- MLOps & Pipelines: MLflow, Prefect, Dagster, Docker, Terraform, GitHub Actions, Kedro
- Cloud & Data: AWS SageMaker, GCP (BigQuery, Spanner, ADK, Cloud Run), Azure Databricks
- LLMs & AI: RAG pipelines, Google ADK, LangChain, NER, MCP, Temporal Fusion Transformers

EXPERIENCE

Deloitte | Lisbon, Portugal

Tech Senior / Tech Consultant, AI & Data | Dec 2024 - Present

- Built ML forecasting models on AWS SageMaker integrating real-time financial data, improving budget accuracy for project expenditure tracking
- Designed and deployed a RAG agent using Google ADK, Cloud Spanner, and BigQuery for enterprise-scale intelligent document retrieval and analytics
- Developed AI forecasting tools via Model Context Protocol (MCP), integrated with SAP systems on AWS SageMaker
- Built retail demand forecasting with Temporal Fusion Transformers on Azure Databricks, enabling anomaly detection and improving planning accuracy
- Applied NER models on GCP for large-scale data anonymization in a public sector tax program, balancing data protection with analytical value
- Orchestrated ETL pipelines with Dagster in the automotive sector, integrating cross-system data flows for automated reporting

Le Wagon | Lisbon, Portugal

Data Science Instructor & Batch Manager | Jan 2024 - Dec 2024

- Taught Data Science and Data Analytics across 7 cohorts, guiding end-to-end ML projects from EDA to deployment
- Managed cohort operations, project supervision, and Demo Day presentations

Earlier Career

Java Developer @ BNP Paribas (global booking & allocation) | Lean Six Sigma Black Belt, Sigma4Profit founder | Operations & Quality Management across industries | Mechanical Engineering R&D, IST

FEATURED PROJECTS

LLM RAG Pipeline (Portuguese Food & Wine Guide)

Qdrant, Flask, PostgreSQL, Grafana, GPT-4o, Docker Compose

Data Engineering Platform (GitHub Analytics)

Terraform, GCS, BigQuery, Bruin, Streamlit, Cloud Run, CI/CD

MLOps Pipeline (Premier League Prediction, 61.8% accuracy)

FastAPI, MLflow, Prefect, PostgreSQL, Grafana, Docker, GitHub Actions

EDUCATION

- | | |
|---------------------------------|--|
| - Data Science & AI Bootcamp | Le Wagon, 2023 |
| - Full Stack Developer Bootcamp | Code for All_, 2022 |
| - MBA, Business Administration | ISEG, 2013 |
| - Lean Six Sigma Black Belt | ASQ, 2014 |
| - MSc, Mechanical Engineering | Instituto Superior Tecnico (IST), 2007 |

Languages: Portuguese (native) | English (full professional)