

# Kacper Wikeł

Machine Learning Engineer

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## Key Skills

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<b>LLM &amp; RAG</b>	LangChain, LlamaIndex, OpenAI API, Langfuse, prompt engineering, retrieval pipelines
<b>Agentic Systems</b>	Multi-agent architecture, tool calling, workflow orchestration, agent evaluation
<b>Computer Vision</b>	PyTorch, OpenCV, image processing, OCR pipelines, document data extraction
<b>MLOps &amp; Cloud</b>	Docker, CI/CD, model monitoring, A/B testing, GCP, Azure
<b>Data Engineering</b>	Python, Pandas, NumPy, SQL, ETL, data pipelines

## Experience

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**PwC** June 2025 – November 2025

*Machine Learning Engineer (Contract)*

- Designed and implemented RAG proof-of-concept solutions for enterprise clients – architecture, implementation, and evaluation
- Integrated Langfuse for monitoring and debugging LLM pipelines in production
- Consulted on model selection, chunking strategies, and retrieval optimization

**PERN S.A.** September 2024 – May 2025

*Machine Learning / Computer Vision Engineer*

- Developed signal and image processing pipelines for industrial non-destructive testing (NDT)
- Built ETL pipelines for binary sensor data ingestion and transformation
- Implemented anomaly detection models and visualization dashboards for engineers

**DS STREAM** December 2022 – June 2024

*Software Engineer (Generative AI)*

- Built a GenAI platform (FastAPI + LangChain) integrating LLMs into business processes
- Developed microservices using LlamaIndex, OpenAI API, and Hugging Face
- Delivered production deployments for P&G – Docker, cloud infrastructure, CI/CD

**Igoria Trade** March 2021 – November 2022

*Python Developer* – Transaction systems, API integrations, async processing

## Projects

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### Parcel Locker Network Analysis (Poland)

- Geospatial analysis of 20,000+ locations – density maps, hotspots, coverage gaps
- Optimized logistics center placement using K-means clustering
- Stack: Python, scikit-learn, scipy.spatial, Folium, Leaflet.js

## Technical Skills

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**AI/ML:** PyTorch, scikit-learn, LangChain, LlamaIndex, Langfuse, OpenAI API, Hugging Face

**Vision:** OpenCV, image processing, OCR pipelines

**Data:** Python, Pandas, NumPy, SQL, ETL, data pipelines

**Cloud:** GCP (certified), Azure (AI Engineer), Docker, CI/CD

## Education & Certifications

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**PJATK** – B.Eng. in Computer Science (2025) | **University of Warsaw** – Physics (2012–14) |

**Staszic** – IYPT 2012

Google Cloud Associate Engineer | Google Cloud Digital Leader | Azure AI Engineer

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