

# Adam Malinowski

## Expert Data Scientist/ML Engineer

### SUMMARY

Engineer with 10+ years' experience in AI, excelling in NLP, GenAI, computer vision, and model deployment. Expertise in Python, SQL, PySpark, and cloud platforms. Established record of enhancing AI-driven services, improving workflows, and boosting efficiency. Proven capabilities in developing robust ML pipelines, integrating state-of-the-art technologies like LLMs and RAG pipelines, and delivering solutions across diverse industries. Advanced in web and full-stack development, data engineering, analysis, and DevOps practices, underpinned by solid formal education in computer science.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python, SQL, PySpark, NLP, GenAI
<b>Programming Languages</b>	Python
<b>AI &amp; Machine Learning</b>	Azure Cognitive Search, Faiss, GenAI, LangChain, LangGraph, Mlflow, n8n, NLP, NumPy, OCR, OpenAI, OpenCV, PandasAI, Pinecone, Scikit-learn, Xgboost
<b>Python Libraries and Tools</b>	Matplotlib, NumPy, PySpark, Scikit-learn, Seaborn
<b>Data Analysis and Visualization Technologies</b>	Apache Airflow, Data visualization, Jupyter Notebook, PandasAI, Power BI, Tableau
<b>Databases &amp; Management Systems / ORM</b>	MongoDB, PostgreSQL, SQL
<b>UI Frameworks, Libraries, and Browsers</b>	Dlib
<b>Azure Cloud Services</b>	Azure Cognitive Search
<b>Google Cloud Platform</b>	Google BigQuery
<b>Deployment, CI/CD &amp; Administration</b>	Automation deployment CI, CD, CD DevOps pipelines, CI/CD, Jenkins
<b>Methodologies, Paradigms and Patterns</b>	Clean Architecture, FDD
<b>Virtualization, Containers and Orchestration</b>	Docker, Kubernetes, Terraform
<b>Version Control</b>	Github Actions
<b>Platforms</b>	Google Colaboratory



<b>Message/Queue/Task Brokers</b>	Kafka
<b>SDK / API and Integrations</b>	RESTful API
<b>Other Technical Skills</b>	AutoGen, CRNN, Unreal Engine, YOLOv7

## WORK EXPERIENCE

### GenAI / LLM Developer, GenAI/LLM Development

**Duration:** Feb 2024 – Present

**Summary:** Built LangChain agents with guardrails, retries, and n8n orchestration, significantly reducing hallucinations and improving workflow automation.

**Responsibilities:** Developing LangChain agents, integrating LangGraph flows and serverless solutions for document processing and summarization, and monitoring GenAI model performances with interactive analytics.

**Technologies:** LangChain, LlamaIndex, OpenAI GPT-4, Hugging Face, PyTorch, AWS Lambda, S3, Step Functions, Power BI, Snowflake, n8n

### ML Engineer, Machine Learning Engineering

**Duration:** Apr 2020 – Feb 2024

**Summary:** Developed retrieval augmented generation pipelines and cloud-native pipelines for real-time document processing, enabling significant improvements in chatbot accuracy and AI access.

**Responsibilities:** Designing RAG pipelines, building Telegram bots, fine-tuning language models, orchestrating CI/CD workflows, and deploying OCR and face recognition systems.

**Technologies:** Pinecone, Claude 2, Vertex AI, BigQuery, Docker, Flask, Django, Terraform, GitHub Actions, TensorFlow/Keras, BERT, FAISS, YOLOv7, CRNN, MobileBERT, OpenCV, Dlib, React, TypeScript, Elasticsearch, Gradio, Streamlit, Power BI, ELK, Prometheus, Grafana

### Data Scientist, Data Science

**Duration:** Oct 2015 – Apr 2020

**Summary:** Analyzed large volumes of customer data for actionable insights, built ML models for prediction and segmentation, and developed ETL pipelines to support scalable real-time analytics.

**Responsibilities:** Conducting data analysis and predictive modeling, developing sentiment analysis models, and building scalable ETL pipelines in collaboration with product and engineering teams.

**Technologies:** SQL, R, Excel, Scikit-learn, Pandas, NumPy, Matplotlib, PySpark, Apache Spark, BigQuery, NLTK, SpaCy, AWS SageMaker, XGBoost, Plotly, Seaborn, Tableau



## EDUCATION

- **BSc Computer Science**
- 2010 – 2014
- **MSc Computer Science**
- 2014 – 2015

