

Maciej Małachowski

AI Engineer · Agentic AI Developer

maciejmalachowski1@gmail.com · maciekmalachowski.pl · github.com/maciekmalachowski · linkedin.com/in/maciej-malachowski

ABOUT

AI Developer specializing in LLM-based systems, agentic architectures, and business process automation. I design and ship production AI solutions that integrate language models with CRM platforms and external APIs. My experience covers building RAG systems, workflow automation, and contributing to open-source AutoML tooling.

Previous experience as a coach at a sailing club involved team management, working in dynamic conditions, and resolving high-pressure situations. Working with children developed communication, adaptability, and decision-making skills in fast-changing environments.

PROFESSIONAL EXPERIENCE

AI Developer

autoMEE · 03.2025 – present

- Development of the core accounting document workflow platform (Flowmee), including document processing logic and integrations with ERP systems and external APIs.
- Delivery of tailor-made solutions adapted to specific client needs, covering process automation and systems integration.
- Building multi-step agentic workflows integrating OpenAI and Claude models with diverse technologies and external APIs.
- Use of Claude Code and Codex for iterative development (prompt → code generation → validation → refactoring) to accelerate feature delivery.
- Implementation of advanced automations with n8n to optimize operational processes and customer service.
- Managing context and sessions when working with models (task decomposition, token control, structured prompting for complex workflows).

Technologies: Python, JavaScript, TypeScript, OpenAI API, Claude, Claude Code, Codex, REST API, n8n, Zapier, GoHighLevel, Voiceflow, Playwright, Git, Docker

Junior Data Scientist

MLJAR · 06.2024 – 10.2024

- Co-development of the MLJAR-supervised library (AutoML), including training pipeline optimization and stabilization of system components.
- Diagnosing and fixing bugs in core modules of the library, improving reliability of the open-source software.
- Authoring and updating technical documentation for users and developers.
- Preparing AutoML use-case examples on real-world datasets.
- Publishing technical articles on AutoML and modeling best practices.

Technologies: Python, Scikit-learn, Pandas, NumPy, MLJAR-supervised, Git

SELECTED AI SOLUTIONS DELIVERED

AI System for Document Analysis

- System enabling contextual interaction with PDF and CSV documents.
- Architecture based on LLMs and contextual retrieval.
- Integration of GPT4All and Mistral 7B models.
- Deployed using Streamlit and Docker.

Technologies: Python, LLM, Streamlit, Docker

Agentic System for Communication and Data Management Automation

- Multi-agent system automating email communication, data analysis, and record management.

- Integration of OpenAI GPT-4 Turbo, Ollama Llama, and LlamaIndex.
- Data handling, process automation, and configuration management.

Technologies: Python, OpenAI API, Ollama, LlamaIndex, Pandas

Machine Learning Model Benchmarking Platform

- Automated comparison of classification and regression models.
- Generation of performance reports and visualizations.
- Integration of AutoML and Scikit-learn.

Technologies: Python, Scikit-learn, MLJAR-supervised, Pandas, Matplotlib

TECHNICAL SKILLS

Programming Languages. Python, JavaScript, TypeScript

AI & LLM Systems. Agentic AI, Prompt Engineering, RAG, LangChain, LlamaIndex, OpenAI API, Claude, Gemini, Hugging Face

Machine Learning & Data Analysis. Scikit-learn, MLJAR-supervised, Pandas, NumPy

Automation & Integrations. REST API, Webhooks, n8n, Zapier, GoHighLevel, Voiceflow

Backend & Applications. Flask, Streamlit, Docker, Playwright

Tools. Git, GitHub, Linux

EDUCATION

Mathematical Modeling and Data Analysis

University of Gdańsk · 2023 – present · Expected graduation: 2026

Programming Technician

Zespół Szkół Elektrycznych im. prof. Janusza Groszkowskiego · 2019 – 2023

LANGUAGES

Polish – native · English – B2