

# JAROSŁAW POPARDOWSKI

AI Software Developer

## Phone:

+48 730 849 316

## Email:

jaroslaw.popardowski@outlook.com

## GitHub:

<https://github.com/Po33ski>

## Portfolio:

<https://po33ski.github.io/portfolio> [www.linkedin.com/in/jaroslaw-popardowski-21463a202](https://www.linkedin.com/in/jaroslaw-popardowski-21463a202)

## About Me

Highly motivated AI Engineer with 4+ years of experience in IT Support, further augmented by practical skills in Machine Learning and AI system implementation. I gained my programming expertise as a freelancer and while studying AI Systems Engineering at AGH. Proficient in Python and TypeScript, I utilize these skills to build efficient solutions. Actively seeking to transition into a dedicated AI Developer role to drive technical innovation within a dynamic environment.

## Skills

Python

JavaScript, TypeScript

Next.js

Node.js

React

FastAPI

Google Cloud Platform

Azure Open AI and Azure Foundry

Linux

SQL

CI/CD, Docker

Google ADK

Troubleshooting

Strong communication abilities

## Certifications

### Postgraduate Diploma:

**Artificial Intelligence Systems Engineering**

**AGH University of Science and Technology in Cracow**

**Microsoft Certified: Azure AI Fundamentals (AI-900)**

## Private projects

### Full-Stack AI Weather Application

**See demo:** <https://weather-chat-6g4p.onrender.com/>

**GitHub:** <https://github.com/Po33ski/weather-chat>

### Tech Stack

**Next.js, TypeScript, React, Tailwind CSS, Google ADK, FastAPI, Docker, Python, SQL, CI/CD, Git, Google Cloud Platform**

An AI-powered weather application designed to deliver real-time weather information. Its core feature is an **AI Chatbot**, developed using the **Google ADK** framework. This chatbot answers all weather-related queries by fetching and verifying data against an external weather API. The application also features robust authentication, implemented via **Google OAuth** and Time-based One-Time Passwords (TOTP) using a QR code.

### RAG Chatbot and Steam Similarity Service

**GitHub:** [https://github.com/Po33ski/similarity\\_service](https://github.com/Po33ski/similarity_service)

### Tech Stack

**Python, Shell, PostgreSQL + pgvector scale, Milvus Vector DB, Torch, Sentence Transformer, Google GenAI, Docker**

This repository hosts a chatbot implementing Retrieval-Augmented Generation (**RAG**). It contains two distinct services: The first service is a chatbot that uses **Milvus vector database** to answer questions related to fundamental knowledge of AI. The second service is another chatbot utilizing **PostgreSQL** (with the pgvector extension), designed for searching through games available on Steam.

# languages

---

Polish

English

German

# Experience

---

## Senior Cloud and Infra Management Engineer 2024 - current

### LTIMindtree

- Working on behalf of **Microsoft** as a cloud and infrastructure engineer.
- Diagnosing and repairing issues related to the configuration of devices and virtual machines in the Microsoft environment and on-premise servers.
- Analyzing system and diagnostic logs to identify and resolve issues.
- Creating and optimizing **PowerShell** scripts to automate system management.
- Resolving issues with Windows and Windows Server updates and activation.
- Providing technical support for cloud environments on the Microsoft **Azure** platform.
- Using and testing **AI agent** systems in our development process.
- Communicating with international clients via phone and email, and creating technical documentation and instructions in **Polish**, **English**, and **German**.
- Working with **Microsoft Copilot** and utilizing **Azure AI** solutions to support and optimize processes.

2021 - 2024

### Senior IT Analyst HCL Tech

- Resolving technical issues related to Windows, **Microsoft Office**, web browsers, and other applications.
- Installing and configuring Microsoft applications and other programs according to client requirements.
- Phone and email contact with customers in German and English.
- Working with **Jira** and **ServiceNow** and generating reports on issues and solutions.
- Managing computers, users, and licenses in **Microsoft Active Directory** and **Microsoft Azure**.

# Education

---

## PgDip, Artificial Intelligence Systems Engineering 2024-2025 AGH University of Science and Technology in Cracow

- Practical aspects of implementing **AI solutions** in IT systems.
- Creating **DevOps** and **MLOps** solutions, using **Docker**, **Terraform**, **CI/CD**, **DVC** and others.
- Advanced aspects of **Python** language in theory and practice, including **object-oriented** and **functional programming**.
- Writing efficient code, implementing custom mathematical libraries.
- Learning basic and advanced Python libraries: **NumPy**, **TensorFlow**, **PyTorch**, **Pandas**.
- Creating and training **AI models** using **PyTorch** and **Scikit-learn**.
- Creating environments and virtual machines in **AWS** and deploying applications in **Elastic Container Service**.

- **Architecture** and programming of IT systems and web applications.
- Creating **fullstack** applications using **React** and **FastAPI**.
- **AI algorithms** and models used in various industry and business sectors, including **symbolic AI, heuristic algorithms, machine learning, and neural networks**.
- Deep Knowledge of **generative artificial intelligence** and **language models**.
- Databases in theory and practice, including **PostgreSQL, DuckDB, Polars**, and **SQL** language.
- Creating Retrieval-Augmented Generation (**RAG**) using vector databases like **Milvus** and **pqvector** (extension for PostgreSQL).
- Designing **AI agent** systems using **Google ADK** as part of the diploma project.

**Bachelor of Technology, Civil Engineering**

**2018 - 2023**

**Cracow University of Technology**

- Design, analysis, and implementation of building and infrastructure constructions.
- **Numerical Analysis** and **Mathematic including Linear Algebra, Vectors, Differential and Integral Calculus** and **matrices**.
- Emphasis on **computational methods**, building mechanics, and use of the design software.

## **RODO Clause**

---

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).