

# Jarosław Popardowski

## SOFTWARE DEVELOPER

### ABOUT ME

My passion for artificial intelligence and programming is backed by a postgraduate degree in **AI Systems Engineering**. As a programmer and engineer at Microsoft, I have a proven track record of effectively **implementing Windows systems** and resolving complex problems, while also demonstrating a deep knowledge of **Windows versioning procedures**. My fluency in Polish, English, and German, combined with my technical skills, positions me to add immediate value to your organization.

### EDUCATION

#### Artificial Intelligence Systems Engineering, PgDip

AGH University of Science and Technology in Krakow | 2025

- Practical aspects of implementing **AI** solutions in applications and IT systems.
- 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, PyCharm, PyTorch, Pandas**.
- Creating and training AI models using **PyTorch** and **Scikit-learn** libraries.
- Creating environments and virtual machines in **AWS** and deploying applications in **Elastic Container Service**.
- Extensive use of version control system **Git** and **GitHub** platform.
- Using **Linux Fedora** and **Ubuntu** systems in the software development process.
- Basics of computer networks.
- Creating **DevOps** and **MLOps** solutions, including learning and using **Docker, Terraform, CI/CD, DVC** and others.
- Architecture and programming of IT systems and **web applications**, creating **fullstack** applications using **React, FastAPI, JavaScript, TypeScript, Next.js**.
- **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 thesis.

#### Civil Engineering, Bachelor of Technology

Cracow University of Technology | 2023

- Design, analysis, and implementation of building and infrastructure constructions.
- Emphasis on **computational methods**, building mechanics, and the use of design software.
- Knowledge in civil and material engineering.

### WORK EXPERIENCE

#### Senior Cloud and Infra Management Engineer

LTIMindtree | Krakow | May 2024 - Present

- Working on behalf of **Microsoft** as a **cloud and infrastructure engineer**.
- Diagnosing and repairing issues related to the implementation and configuration of devices and virtual machines in the Microsoft environment.
- Analyzing system and diagnostic logs to identify and resolve issues.
- Analyzing **C++** and **C#** source code for issues occurring after new system updates.
- Creating and optimizing **PowerShell** scripts to automate system management.
- Resolving issues with **Windows** and **Windows Server updates** and **activation**.
- Diagnosing and managing driver errors, including ODBC.
- 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**.
- Collaborating with network teams, **Active Directory** administration, and other IT departments.
- Working with **Microsoft Copilot** and utilizing **Azure AI** solutions to support and optimize processes.

#### Senior IT Analyst

HCL Tech | Krakow | Nov 2021 - Apr 2024

- 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 clients in **German** and **English** to diagnose and resolve issues.
- Working with spreadsheets and generating reports on issues and solutions.
- Managing computers, users, and licenses in **Microsoft Active Directory** and **Microsoft Azure**.

### COURSES & CERTIFICATIONS

#### Understanding React

How to Start Programming

Oct 2023 - Dec 2023

#### Microsoft Certified: Azure AI Fundamentals

Microsoft

Feb 2025

### HOBBIES

- foreign languages
- learning
- literature
- cinema
- history
- chess
- sports

### DATA PROTECTION CLAUSE

I consent to the processing of my personal data for the purposes necessary for the recruitment process (in accordance with the Act of May 10, 2018, on the protection of personal data (Journal of Laws of 2018, item 1000) and in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27, 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 (GDPR).



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### LINKS

#### Project:

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

#### Github:

<https://github.com/Po33ski>

#### Linkedin:

[www.linkedin.com/in/jaroslaw-popardowski-21463a202](https://www.linkedin.com/in/jaroslaw-popardowski-21463a202)

### SKILLS

• Retrieval-augmented generation (RAG)

• Windows Device and Deployment

• JavaScript, TypeScript

• ServiceNow

• Visual Studio, VS Code

• Google ADK

• Windows Activation

• Pandas, Polars

• Windows Servicing

• Scikit-Learn

• Milvus (Vector DB)

• Active Directory

• TensorFlow

• Versioning

• WSL 2

• Terraform

• PyCharm

• DuckDB

• Chatbot

• PyTorch

• Simplful

• FastAPI

• C++, C#

• Python

• Next.js

• Docker

• GitHub

• MLOps

• Azure

• React

• Linux

• AWS

• DVC

• SQL

### LANGUAGES

• Polish

• English

• German