



JAROSLAW POPARDOWSKI

Software Developer

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Portfolio:

<https://po33ski.github.io/portfolio>

GitHub:

<https://github.com/Po33ski>

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About Me

Highly motivated Engineer with 4+ years of experience in IT Support, further augmented by practical skills in Full-Stack Development 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

- JavaScript, TypeScript
- Python
- Next.js
- Node.js
- React
- FastAPI
- AI and MLOps
- Azure Open AI
- Azure Foundry
- Linux
- SQL
- Troubleshooting
- Communication skills

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.
- 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.
- 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**.
- Working with **Microsoft Copilot** and utilizing **Azure AI** solutions to support and optimize processes.

Senior IT Analyst HCL Tech

2021 - 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 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**.

languages

Polish
English
German

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**, **PyCharm**, **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.

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

GitHub: https://github.com/Po33ski/similarity_service

Tech Stack

Python, Shell, PostgreSQL + pgvectorscale, 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.

E-commerce Application

GitHub: <https://github.com/Po33ski/Shop-Project>

Tech Stack

JavaScript, React, Vite, Tailwind CSS, NodeJS, MongoDB, Azure Storage, HTML, CSS

This is a web application that allows users to browse and purchase products. It contains both a frontend and a backend. The frontend is built with **Vite + React**, and the backend uses **Node.js** and **MongoDB**. Image storage is handled by **Azure Storage**. The application features routing for Women's, Men's, Kids', and Accessories categories. It includes an admin panel for managing products and orders, as well as standard features like a shopping cart and a favorites list. While the application is currently not deployed due to budget constraints for full deployment, you can clone the repository and run it locally. Remember, you need your own Azure Blob Storage and MongoDB.

Certifications

Microsoft Certified: Azure AI Fundamentals (AI-900)

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).