



ALEKSANDER MARSZAŁKIEWICZ

PYTHON DEVELOPER

I am a software developer specializing in backend development, with over two years of professional experience in Python and DevOps, as well as more than six months of hands-on work with machine learning models, especially vision-language models (VLMS).

My professional background also includes project management, implementation of industrial software solutions, and managing databases and data warehouses.

EXPERIENCE

Junior Software Developer

GPD Agency & Film Studio

2024- Present

- Integration of software backends, development of custom extensions, and monitoring of data flow — primarily for software platforms such as JIRA, Ftrack, Brandfolder, and popular CGI and film editing tools.
 - Tech stack: Docker, AWS, Python, Celery, Grafana, Prometheus, Flask, FastAPI, Nvidia SMI, OpenAI API, Groovy, Polars, Ruff, Gitflow.
- Deployment of the Helix Core version control system for Unreal Engine developers.
- Research and deployment of AI tools for text and image processing. Includes local and remote training of pretrained VLM models and API interfaces.
 - Tech stack: PyTorch, Hugging Face, Streamlit, OneTrainer, ComfyUI, Flux, Stable Diffusion, WAN, n8n, Docker.

Internship

Devs Mentoring

2023- Present

Internship and mentoring in backend software development under the guidance of a senior developer mentor. I am training in advanced Python programming, DevOps, and web development with Django. I am gaining experience in application architecture, incremental task work, and documenting functionality using ADR (Architecture Decision Records).

Example Projects

Animals Healthcare Application

- A web application for managing medical notes for caregivers responsible for multiple animals.
- [\[GitHub\]](#)
- Tech stack: Python 3.12, Django 4.2, Celery, PostgreSQL, CouchDB, Docker Compose, Kubernetes.

Be Part of Events

- A microservice-based backend for efficient bill splitting and expense tracking during group events (e.g., going out with friends). Includes automated OCR-based bill recognition and invitation-based settlement.
- [\[GitHub\]](#)
- Tech stack: Python 3.13, UV, FastAPI, TimescaleDB, Amazon S3, Tesseract OCR, Apache Kafka, Sentry, Auth0, Docker Compose.

TECH STACK

- Python,
- Django, DRF,
- Flask,
- Fast API,
- Dash,
- Streamlit,
- Pandas,
- Polars,
- Plotly,
- Pytest,
- Playwright,
- Selenium,
- Celery,
- RabbitMQ,
- Kafka,
- Docker,
- Docker Compose,
- AWS,
- Kubernetes,
- PostgreSQL,
- MS SQL,
- SQLite,
- CouchDB,
- Mongo DB,
- S3/MinIO,
- GitFlow,
- Scrum, Agile.



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[LinkedIn Profile](#)



[GitHub Profile](#)

INTERESTS

- Science fiction,
- Pen-and-paper RPG,
- Japanese culture,
- Social psychology,
- Engineering and new technologies,
- 3D modelling and printing.

VOLUNTARY

- **Global Management Challenge** - taking the competition as the leader of a five-person management team for a virtual enterprise (2015),
- Volunteer work as part of the information services for the **Game Industry Conference** during the three-day Poznań Game Arena trade fair (2015),
- Participation in trade fairs and industry conferences and as a listener in computer science standups, like: **AI & Tech Talks**, **PyRa**.

CERTIFICATES

- B2 Language Proficiency Certificate in English,
- Certificates from Udemy courses e.g.:
 - *Object-Oriented Programming in Python - From A to Z* (2020),
 - *Introduction to Data Science in Python - Pandas* (2020),
 - *Interactive Data Visualizations in Python - Plotly* (2021),
 - *Object-Oriented Programming in Python - OOP - From A to Z* (2021),
 - *Unit Testing in Python - unittest Framework* (2021),
 - *Create Modern Web Applications in Python - Dash, Plotly* (2022).

Administrator ERP

Centrum Usług Współnych Chata Polska Sp. z o.o.

2023- 2024

- Participant in the ERP software migration project.
- Ongoing maintenance of data warehouses, ERP, WMS and CRM systems.
- Troubleshooting synchronization errors.
- Creating, maintaining and expanding reports using SQL and scripting programming languages.

ERP Consultant

Integris Systemy IT Sp. z o.o.

2022- 2022

- Support for Microsoft Dynamics 365 system implementations in the areas of production and post-production departments.
- Data importing, manual testing of functional modifications, creating reports and interactive dashboards, training users.

Project Manager

Promag S. A.

2017- 2022

- Project management in the field of machine construction and technological transport automation.

EDUCATION

POZNAŃ UNIVERSITY OF TECHNOLOGY

2016 - 2017

- Faculty of Mechanical Engineering and Management
- Major: **Management and Production Engineering**
- Specialization: Production Systems
- Full-time, Master's degree completed without thesis,

2015- 2018

- Faculty of Mechanical Engineering and Management
- Major: **Mechatronics**
- Specialization: Production Systems
- Full-time/part-time, Bachelor's degree, concurrently pursuing a second major,

2012- 2016

- Faculty of Engineering Management
- Major: **Safety Engineering**
- Full-time, Bachelor's degree completed.

PERSONALITY



My strong **thinking** trait ensures that I approach problems logically and analytically, making well-reasoned decisions in my coding processes.

As an **introverted** software developer, I thrive when working independently and focusing deeply on tasks, allowing me to tackle complex coding problems effectively.

My **intuitive** nature helps me envision innovative solutions and see the bigger picture, which is crucial for developing forward-thinking applications.

Being **judging-oriented**, I excel at planning and organizing my work, sticking to schedules and meeting deadlines reliably.

Finally, my **assertive** personality gives me the confidence to take on challenges and handle criticism constructively, which is essential for continuous improvement and collaboration in a dynamic tech environment.

[\[More details\]](#)