

Szymon Górk

SOFTWARE ENGINEER /
DATA SCIENTIST

work experience

07.2022 - present

Digica

Software developer / Data Scientist

Generalist – worked on broad range of projects, mostly related to AI on embedded, classic ML, mobile apps, python backend developer

06.2024 - present

Septic Solutions

Backend Developer

Backend python developer and data engineer. Large scale application for managing septic tanks at country scale.

projects

Backend for a Septic Tank Marketplace

Key Responsibilities & Achievements:

- Backend Development:** Engineered and maintained the core backend using FastAPI and PostgreSQL to handle marketplace operations.
- Infrastructure as Code:** Defined and managed the entire infrastructure using Docker, Docker Compose, Terraform, and Kubernetes.
- Geospatial Data:** Processed and managed location-based data (addresses) using Pandas.
- Deployment & Impact:** Successfully deployed and scaled the platform, supporting hundreds of active customers monthly.

Predictive Water Maintenance Analytics

Key Responsibilities & Achievements:

- Data Engineering:** Developed PySpark/Pandas pipelines for ETL on large tabular datasets.
- ML Modeling:** Trained and deployed efficient models (KNN, GMM, Decision Trees) for real-time anomaly detection.
- Client Communication:** Delivered insights through data visualization and storytelling dashboards.
- MLOps:** Managed data and pipeline versions using DVC to ensure project consistency.

education

2023

Politechnika Łódzka

Engineer Degree in Computer Science at the EEIA faculty.

languages

Polish native

English B2

github

github.com/AInOn