

# Szymon Górka

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/AIn0n](https://github.com/AIn0n)