

Filip Mularczyk

R&D Software Engineer

Contact



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Skills



Python



Data engineering



Data visualization



Condition Monitoring



TDD



Azure Cloud solutions



Machine Learning



Software architecture



Backend development



Frontend development

Tools

Python

Numpy, Pandas, Flask, Celery,
Matplotlib, Dash

Azure

Function App, Storage,
CosmosDB, DevOps

Dev

Docker, Git, PyCharm, Bash

Languages

English C1

German A2

Hobbies

Popular science

History of cinema

DIY

About

Software developer with strong engineering background. +5 years of experience with Python for data engineering, processing and visualization. Leads the team of software engineers responsible for development of reporting and analytic solutions for Industrial IoT system.

Personally calm and easygoing, with good communication skills and positive attitude.

Employment history

2019 - present

R&D Software Engineer • ABB • Kraków, Poland

Senior software engineer in analytics team for Motion Business (Motors and Drives). Responsible for designing and implementing cloud based services for report generation from IIoT data and internal web tools for reporting, data processing and visualization.

2017–2019

R&D Engineer • Elmodis • Kraków, Poland

Developing Python libraries for IIoT data processing on both cloud and embedded solution. Implementing ML algorithms for rotating machinery diagnostics. Cooperation with low level and cloud software teams.

2010–2016

Automation Engineer • AIUT • Gliwice, Poland

Designing and implementing SCADA and DCS solutions for variety of industries, including HVAC, Pulp & Paper and Marine.

Education

2005 – 2010

Automation Control

Silesian University of Technology • Gliwice, Poland

Courses, Trainings and Certificates

- 2022 • DNA – Droga Nowoczesnego Architekta, devstyle.pl
- 2021 • SEI Software Architecture Professional Certificate, Carnegie Mellon
- 2021 • DB Master, devstyle.pl
- 2021 • Database solutions for IoT
- 2019 • Data Science Nanodegree, Udacity
- 2016 • Machine Learning introduction, Coursera
- 2010 • Cisco CCNA