

# ŁUKASZ DUDEK

## Software Engineer



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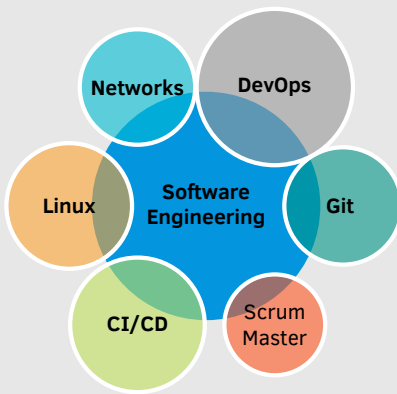
/in/ljbdudek



LJBD

## Technical Skills

### Overview

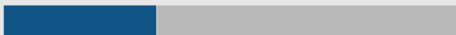


### Programming

Python



Bash • Groovy



C • SQL • Terraform •  $\LaTeX$



## Education

**MSc., Automatics & Robotics** (GPA: 5.0)

Spec.: Computer Control Systems / Neurocybernetics

AGH University of Science & Technology

2015 - 2017 | Kraków, Poland

**BSc., Automatics & Robotics** (GPA: 4.5)

AGH University of Science & Technology

2011 - 2015 | Kraków, Poland

## About me

An automation & open-sourceness enthusiast, I'm an all-round software engineer curious about every aspect of technology stacks in front of me. I love devising & discussing improvements, both for software and processes. Being a good team player, I care about the quality of communication with those around me.

## Experience

Oct 2017 - Present

### DevOps/QA Engineer

Silvair

- Designing & developing CI/CD pipelines in Jenkins for embedded firmware teams.
- Designing & developing automation tools in Python 3.5+ across the technology stack (from hardware utilities, through systems administration to web platform clients).
- Raising Python code quality in the entire company (unit tests, PyLint, black, Sphinx).
- Introducing good DevOps practices.
- Acting as a Scrum Master in a small team.

**Tools:** Jenkins, Docker, AWS (S3, EC2, Athena), Debian/Ubuntu, Behave, Flask, Terraform, GitHub, Jira

Jan 2015 - Aug 2017

### Control Systems Engineer

NRSC SOLARIS, Jagiellonian University

- Managing distributed control systems based on TANGO Controls framework and its services (eg. archiving, supervision, back-end diagnostics).
- Designing and writing device drivers & client applications in Python 2.7/3.5 for a distributed control system.
- Participating in open-source projects across Europe, co-authoring talks & posters for conferences.
- Introducing good team practises and programming styles.

**Tools:** TANGO Controls, PyQt, MySQL, Jenkins, Docker, CentOS, VMWare, GitLab

Aug 2016 - Dec 2016

### Software Engineer

AGH University of Science & Technology

- Project: TANGO Controls Industrialisation.
- Developing device drivers for industry protocols & a SCADA application in Python 2.7.

**Tools:** TANGO Controls, PyQt, OPC UA, Modbus, SCPI, BACNet-IP

Mar 2016 - Nov 2016

### Software Engineer

Jagiellonian University

- Project: StageEye - a prototype of a system positioning elements on a stage.
- Developing a laser driver & a mobile application with web backend - all in Python 2.7.

**Tools:** TANGO Controls, Flask, MongoDB, Kivy