

# Kacper Czekaj

PYTHON SOFTWARE ENGINEER · CLOUD DEVELOPER

☎ (+48) 607 060 955 | ✉ kacperfczekaj+cv@gmail.com | 📱 w8eight

## Experience

### Revolut Ltd.

PYTHON SOFTWARE ENGINEER

Kraków, Poland

2022 Apr. - current

- Develop and maintain cloud infrastructure using Terraform.
- Build and maintain: backend for web application responsible for discovering malicious trades, ETL framework for transaction reporting.

#### TECH STACK

- Other: Python 3.11, Docker, Linux, OpenSSL, HashiCorp Vault, Celery, SQLAlchemy, Apache Airflow, PostgreSQL, Exasol, git, GCP

### Capgemini

PYTHON CLOUD DEVELOPER

Kraków, Poland

2021 Jun. - 2022 Apr.

- Lead dev of the cloud-native project, with active role in architecture design.
- Built and deployed overall service infrastructure utilizing Docker container, and AWS stack, focusing on authorization, and auto-scaling.
- Developed an easy-to-use web application, allowing users to connect via RDP or SSH with machines outside Capgemini network.

#### TECH STACK

- Python 3.10, Docker, Linux, OpenSSL, HashiCorp Vault, Apache Guacamole, git, BitBucket
- AWS: CloudFormation, VPC, EC2, ECS, ECR, Route53, ELBv2, RDS, DynamoDB, CodePipeline, S3

### Autodesk, Inc.

TEST ENGINEER

Kraków, Poland

2020 Jun. - 2021 Jun.

- Developed and maintained regression test framework with REST API.
- Developed software for 3D object comparison in Python.
- Orchestrated automatic test launcher with Jenkins pipeline, hosting the test results on s3 bucket as HTML pages.
- Pushed initiative to refactor old codebase and reduce tech debt to minimum, and as a result tests duration was reduced greatly.

#### TECH STACK

- In-house cloud computing platform, AWS S3, Python 3.7, C++17, Docker, Linux, OpenSSL, Allure, Behave, OpenCV, Jenkins, git

### Woodward, Inc.

TEST ENGINEER

Niepołomice, Poland

2019 Sep. - 2020 Jun.

- Developed Flask web application from scratch, with Bootstrap frontend and custom login solution based on LDAP and AD
- Developed programs in NI TestStand and Labview.
- Gathered data from physical test stands into PostgreSQL instance and processed it for display.
- Supported technicians with measurement hardware (oscilloscopes etc.)

#### PRODUCT MATERIAL COMPLIANCE INTERN

2018 Jul. - 2019 Sep.

- Validated electronic components against environmental directives (RoHS, REACH, Conflict Minerals).
- Automated the validation process with VBA and Python scripts

### PCO S.A.

TRAINEE

2017 Aug. - 2017 Sep.

- Designed mechanical subassembly and development of technological process for mechanical parts included in the developed subassembly
- Development of program for CNC machines for the selected operation for developed subassembly, and selection of special equipment to produce part
- Received comprehensive introduction to noctovision, thermovision, and other optical technologies

## Education

### AGH University of Science and Technology

B.ENG. IN MATERIAL SCIENCE AND ENGINEERING

Kraków, Poland

2013 - 2018

- Participated in various laboratory courses, including those focused on spectrometry and other measurement techniques. These courses provided students with valuable exposure to real-world applications and a comprehensive understanding of experimental methodologies.
- Thesis on Methods and criteria for validation of the voltammetric procedure for determination of lead in animal wax.
- Used  $\LaTeX$  whenever possible

## Skills

<b>DevOps &amp; Cloud</b>	AWS, GCP, Docker, Kubernetes, Terraform, Jenkins
<b>Back-end</b>	Flask, FastApi, Django, Bottle, gunicorn, REST API
<b>Databases</b>	PostgreSQL, Exasol, SQLAlchemy, pyODBC, sqlite
<b>Programming Languages</b>	Python, C++, $\LaTeX$ Polish, English