

# Jakub Szwajka

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I am a programmer with three years of experience in building and maintaining apps within a different stacks. Starting from WordPress plugins, through SAP projects, ending with full-stack web development. I've managed to finish lots of projects as a team member and a few as a one-man army.

Django and React are my weapons of choice. I'm currently learning JS and Solidity a lot since I'm becoming a bigger and bigger fan of Web3.

## Experience

August 2021 - present. TietoEvry

### Software Engineer

- Implemented new features in fleet management web app with Django.
- Took active part in designing, reviewing, and refining new features.
- Worked with legacy code and made key components refactor to increase the speed of extending existing codebase.

Jun 2019 - present. BTech Sp. z o.o,

### Python Developer

- Build a web platform using Django and React for managing notebook instances within the google cloud platform.
- Setting CI/CD pipeline using Docker, GitHub actions, and Cloud Build which lowered the feedback loop to minutes instead of hours.
- Redesigned app to work with a single instance instead of three, based on docker containers and Celery queues. This lowered costs of maintaining GCP instances significantly.
- Integrating the Django app with SAP for collecting data and building machine learning models to automate approval of purchase requisitions.
- Deployed Taiga software on AWS instance.

### SAP ABAP Developer

- Made a program for controlling vendors against a white list of taxpayers. It was also the subject of my engineering thesis.
- Handled different bank web services in SAP reports.
- Made a desktop app with Java for digitally signing payment documents from SAP with XAdES standard.

- Standard enhancements using BTE in FI module for generating payment proposals.

## Education

- WWSIS Horyzont. Engineering studies in the field of computer science September 2018 - March 2021

## Other projects

- Car tracking and counting from a static camera using OpenCV only.
- 3D visualization of spinning donut using ASCII characters.
- Wordpress Website - [www.robertszwajka.pl](http://www.robertszwajka.pl) End to end development and maintenance with lots of custom extensions using JavaScript
- Lots of algorithmic problems solved in Python and C++.
  - Traveling salesman problem with ant colony optimization.
  - Game of life problem.
  - Iterated prisoner dilemma problem.

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