Curriculum Vitae
Piotr WASZKIEWICZ

PERSONAL DATA

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WORK EXPERIENCE

02.2023 - ...

Fathom, Inc.
senior software engineer

`Python` `Kubernetes` `GCP` `dbt` `airflow` `apache beam` `tensorflow`

Fathom (https://www.fathomhealth.com/) develops an AI-powered tool that automates the process of medical coding. Being part of the Eurasia team, I'm tasked with all kind of jobs, starting from the more devops-oriented problems like managing the Kubernetes clusters, through data scientist responsibilities which include ELT (extract, load, transform) operations, ending with Python coder role responsible for writing apache beam pipelines processing data.

I joined the company after their series B, during their biggest growth period. I am tasked with designing, documenting and implementing features needed for new customer onboarding process. I'm also taking part in the recruitment process, helping find the best candidates.

06.2021 - 02.2023

EqualTo GmbH
senior software engineer

`Python` `PostgreSQL` `Django` `Docker` `Kubernetes` `GraphQL` `TypeScript` `React`

I worked as a software engineer developing automated commission management system (https://www.equalto.com/). We worked in Scrum, had full test coverage, with a strong focus on excellent code health via usage of MyPy, flake and Black formatting.

I joined the company at the very beginning of their journey and was tasked with not only software development, but also shaping the direction of the company's development. I took the responsibility of preparing the full test coverage of our system, significantly lowering the number of errors that made their way to the production environment. I took part in the payment system integration project, developed 'dashboard' views for our product, prepared a customer-level subdomain router configuration support and was part of the team of two that integrated a task queue solution.

WORK EXPERIENCE CONT.

12.2019 - 06.2021

Booksy International sp. z o.o.
backend Python developer in 'Payments team'

`Python` `PostgreSQL` `Django` `Docker` `Kubernetes` `Redis` `Elasticsearch` `Celery`

I worked as a Python developer responsible for integrating our POS product with external payment provider. My responsibilities included designing solution, implementing and documenting my work. We worked in a team of 5 (3 developers, 1 business, 1 tester). I was also responsible for managing contacts with out payment provider, coordinating work when new features were requested.

During my time there, I've implemented 3DSecure mechanism support and took part in the overall payment system refactor effort.

10.2018 - 12.2019

Mindhive sp. z o.o. *(former Loterity sp. z o.o.)*
main backend developer of Plibo system

`Python` `PostgreSQL` `Flask` `Redis` `Dramatiq`

I was the main Python developer of the Plibo app (https://plibo.eu/). We worked in a team of 7 (2 backend devs, 2 mobile devs, 2 business, 1 designer). I took care of preparing documentation, dividing and assigning tasks. We worked in Scrum, with daily standup meetings and retrospections. We had almost full test coverage (95%), with automatic deployments to staging server. Deployment was done manually at the start of week.

We put strong emphasis on the efficiency and security of our system, developing internal process ensuring deadlock-safety and minimizing performance impact of the transactions. We also made use of the PostgreSQL's sharded tables.

I was responsible for coordinating work of the team, implementing features requested by the business. I was part of the team from the very beginning of the project, and managed to drive it until completion.

09.2017 - 10.2018

Loterity sp. z o.o.
backend Python developer

`Python` `PostgreSQL` `Django` `Redis` `JavaScript`

I was a Python developer working on creating lottery systems for clients around the world. I worked both on the core system responsible for storing and managing client data, as well as backend of the graphical tool for managing lotteries (written in Django).

During my time there I've took part in onboarding two new customers and developing new features requested by them.

2015 - 2017

Contract work as a teacher
at Warsaw University of Technology:
Algorithms and Data Structures I
Algorithms and Data Structures II
Operating Systems
Theory of automata and languages
Theory of algorithms and computations

Private projects

Full Stack: **RadPal** (https://www.radpal.pl/)

`Python` `PostgreSQL` `Django` `DjangoQ` `Docker` `TypeScript` `Playwright` `React`

On-premise software, targeted at polish medical places that specialize
in radiological examinations, which can use our product for: monitoring
applied doses, automated reporting, maintaining health of the used equipment,
optimizing day-to-day operations.
Our software is currently used in more than 35 places across whole Poland.

Our program is dockerized and easily deployed via ansible scripts.
We have full test coverage (via unit tests and e2e tests), full documentation
(written in Latex, document automatically compiled via dedicated GitHub
action, with always up-to-date screenshots of the app taken via Playwright)
and automatic deployments. We use GitHub actions along with our in-house
self-hosted scaled action runner. Everything is connected within our VPN,
and monitored in Graphana.

SurfCloud (https://surfcloud.app/)

`Python` `PostgreSQL` `Django` `DjangoQ` `Docker` `Vue.js`

This is an online business-oriented tool for running and maintaining (surf/ski) schools.
It features interactive calendar for scheduling lessons, instructors' schedules,
equipment management and billing system.

This SaaS solution is written in Python and Vue and has many integrations
with external services such as: weather/wind forecasts, SMS notifications
and payment system.
We have good code coverage, using some less-known testing approaches like
Django migrations testing and property-based testing.

We have several active clients in multiple regions, including Poland,
Croatia, Italy and Peru.

Python: **namespaced_enums** (https://github.com/Waszker/namespaced_enums)
Library extending functionality of the Enum objects and allowing for creation
of containers within such classes.

flake-type-annotations-plugin
(https://github.com/Waszker/flake-type-annotations-plugin)
Plugin for flake8 performing checks for used type annotations.

IoT: **Smart Home System**
WiFi Socket operating on ESP-01 module
Automatic watering system based on the Adafruit Huzzah module
IP camera based on Raspberry Pi Zero device

Github: https://github.com/Waszker

Education

2016 - 2017

Student of Warsaw University of Technology
Faculty of Mathematics and Information Sciences
Master's degree - Artificial Intelligence

THESIS

Rejection Option in Pattern Recognition Problem - Selected Issues
I experimented with multidimensional figures to create alternative approach to
classification and pattern rejection problem. The best results were achieved
using ellipsoids. The thesis was an extension to my previous two scientific
publications.
Available at https://github.com/Waszker/MasterDegree/

2012 - 2015

Student of Warsaw University of Technology
Faculty of Mathematics and Information Sciences
Bachelor's degree

THESIS

Remotely Controlled Home Supervision System
The project, made in a group of three, consisted of multiple semi-microservices
that together created an ecosystem for remotely controlling status of apartments.
The system allows the management of electrical sockets (turning on/off), garden
watering, video preview, temperature control, etc. It is highly modular solution.
Available at https://github.com/Waszker/WRH—Raspberry/

Scientific Publications

2016

Pattern Recognition with Rejection
Combining Standard Classification Methods with Geometrical Rejecting
15th IFIP TC8 International Conference, CISIM 2016

2017

Regression Models for Classification with Foreign Patterns Rejection
International Conference On Recent Innovations In Engineering And Technology
(ICRTET)

Skills

KNOWLEDGE:

Python ● ● ●   TypeScript ● ● ○   PostgreSQL ● ● ○   Flask ● ● ○

pytest ● ● ●   Django ● ● ●   React ● ● ○   Vue.js ● ● ○

git ● ● ●   docker/docker-compose ● ● ●   ansible ● ● ○

Interests

HOBBY: Programming, Mineralogy, Aquaristics, Carnivorous plants, DIY mechanical keyboards

SPORT: Sailing (yachtsman patent), Climbing and mountain hiking

Languages

ENGLISH: CAE certificate