



Bartosz Sławewski

Python Developer

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PROFILE

Passionate software developer with proven practical knowledge of Python and code quality assurance. Life-long learner inspired by inventive approaches to solving problems. Enthusiastic teacher, endorsed for the ability to convey specialist knowledge to beginners. Trusted by maintainers of some prominent open source projects critical for the IT industry, including [Poetry](#).

TECHNICAL KNOWLEDGE

Domains: Automation and scripting, Code Quality Assurance, Web services, Education
Python: 3.x, FastAPI, Flask, Django, SQLAlchemy, Pydantic
Other Languages: Bash, JavaScript, TypeScript, Dart, SQL
Containerization: Docker, Kubernetes (basics)
Cloud: AWS (basics), GCP (basics)
Databases: SQL, PostgreSQL, SQLite, Redis, MongoDB
Operating Systems: Linux, Windows, FreeBSD

PROJECTS

- | | |
|---|-------------------|
| skeleton (author) ↗
A Python project scaffolding with various SCM and CI/CD automations.
Inspired by the skeleton project of Jason R. Coombs ↗ , to which I also contributed. <ul style="list-style-type: none">Automated the CI/CD processes in all of my Python library projectsDeveloped a Bash script Jinja template for managing skeleton upgradesContributed several new ideas ↗ to copier ↗, the engine of skeleton | 11/2023 – present |
| configzen (author) ↗
A library to validate and edit configurations with Pydantic. Available on PyPI as "configzen". <ul style="list-style-type: none">Designed a library for reading and editing configurations within Pydantic modelsCreated built-in drivers for processing of JSON, Plist, YAML and TOML (last two in a style-preserving manner)Introduced a layer of abstraction allowing to operate on file streams both synchronously and asynchronously | 04/2023 – present |
| cleo (contributor, maintainer since January 2024) ↗
A CLI framework that powers Poetry—a famous and opinionated project dependency manager, build backend and much more. <ul style="list-style-type: none">Co-refactored the entire codebase ↗Assigned to create a command-line argument parser for the Poetry CLI | 08/2023 – present |
| proxyvars (author) ↗
Proxy objects inspired by Werkzeug local proxies. Available on PyPI as "proxyvars". <ul style="list-style-type: none">Invented and implemented the underlying mechanism and testsAdopted in a Discord bot for the aforementioned YouTuber | 07/2023 – present |
| runtime_generics (author) ↗
A library that facilitates reusing type arguments for generic types at runtime. Available on PyPI as <code>runtime-generics</code> , used by <code>configzen</code> . <ul style="list-style-type: none">Implemented and documented the underlying idea as well as testsPracticed TDD for covariance and contravariance runtime checks | 10/2023 – present |

PROFESSIONAL EXPERIENCE

Freelance Python Developer

03/2023 – present

Artur Byczkowski MATEMATYKA

- Initiated a long-lasting cooperation with a popular YouTuber [@apocomitamatma](#) with 100k+ subscribers
- Designed, created, and estimated costs & delivery time of a full-fledged Discord bot moderating an online community of over 2.7k+ people
- Created and deployed a Flask website within [Phusion Passenger](#)
- Designed and estimated costs of a modern website currently being built with FastAPI and Next.js
- Recruited the community moderation team and taught necessary skills
- Created numerous YouTube API integrations
- Implemented a [Google PubSubHubbub 4.0](#) subscriber
- Developed a tool for bulk substitutions in YouTube video descriptions
- Automated the creation of YouTube search tags for over 500 videos using NLP technologies (including nltk, Morfeusz2, ConcraftPL and TermoPL)

Technical Trainer (Python Bootcamp)

12/2023 – present

infoShare Academy

- Illustrated and led 4 presentations on the Python Object-Oriented Paradigm
- Conducted Q&A sessions regarding the aforementioned presentations

Multimedia Inserts Developer

08/2023 – 11/2023

TVP (Polish Television)

- Created and deployed an offline in-browser fake OS PWA built with OS.js
- Implemented and installed a fake phone call app in Flutter. The application used the phone's proximity sensor to turn off the screen when the phone was held to the ear
- Designed and created 6 different static websites with Bootstrap
- Estimated delivery time & costs of the project

EDUCATION

Computer Science (Cloud Applications and Systems Engineer)

2023 – 2027

DSW University of Lower Silesia

Wrocław, Poland

LANGUAGES

English

B2/C1

Polish

Native

CREDENTIALS

Invitation to the Finals of the National Programming Competition "Gigathon"

15/12/2023

Giganci Programowania Sp. z o.o.

Qualified for the finals for remarkably high performance:

- Got 100% points for the 1st stage knowledge quiz,
- Got 100% points for the 2nd stage knowledge quiz,
- Passed the 2nd stage after submitting the projects.

The finals are scheduled to take place on the 3rd of February, 2024.

CONSENT

I agree to the processing of personal data provided in this document for realizing the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).