Bartosz Sławecki

Python Developer

 bswck   in bswck   ✉ bartoszpiotrslawecki@gmail.com
 📞 +48 535 950 567   📍 Wrocław

With **2 years of professional experience** in delivering software developed in Python, I offer the skills and knowledge essential for debugging, extending and improving growing codebases.

I am familiar with **Django**, **Flask** and **FastAPI** web development frameworks. Every application processes data—my expertise includes **data processing and validation** libraries: attrs, pydantic v2, protobuf. In order to persist data, I am most likely to use **ORMs that best fit business requirements**, most often **SQLAlchemy**. During the process of implementing software, I leverage **unit testing libraries**, usually **pytest**. Performance also matters—and **memory profiling technologies**, **cProfile** & **Scalene**, are very often my choice. I value maintainable code that meets standards: **Ruff**, **coverage**, **mypy** and **pyright** are always available in my Python virtual environments. **CI/CD/dependency management tools** (**Poetry**, poe task runner, pre-commit, GitHub Actions) help me develop and integrate my projects in a consistent and convenient way.
I am also experienced with **Git**, **Jira**, **Bash**, **SQL**, **HTML**, **CSS, TS** and **JS** (mainly React).

So far, I have implemented:
- **general-purpose libraries** that boost software development (including configzen, proxyvars),
- **bots and scripts** for automating production processes (skeleton),
- **multi-purpose computer programs** (including Discord & YouTube bots).

📁 PROJECTS

configzen ↗
04/2023 – present
A Python library that aims to facilitate the creation and maintenance of structured configurations with runtime data validation, typing and advanced scope-based management.

proxyvars ↗
06/2023 – present
A general-purpose Python library allowing to create different kinds of proxy objects. Inspired by werkzeug that implements the LocalProxy class, a basic Flask library component.

skeleton ↗
11/2023 – present
A generic Python project scaffolding that brings in SCM approach to codebase maintenance and centralizes the toolset used in a number of projects. Technologies used involve Redis, pipx and Poetry. Written in Shell (Bash and sh-compatible), powered by copier ↗.

💼 COMMERCIAL EXPERIENCE

Discord Community Bot
Client: „A po co MI ta MATMA?", a Polish educational YouTuber.
03/2023 – 05/2023
- An **application in Flask** to serve files and redirect new community members to the Discord server.
- A bot that serves the server via the Discord API (built on hikari+crescent and the ORM library by encode, the authors of **Django REST framework**).
- An application that interacts with live chat on YouTube and an implementation of a subscriber for PUSH notifications according to the Google's PubSubHubbub 4.0 specification.

Python Tutoring
Client: 15+ Computer Science students
08/2021 – present
I have personally helped Computer Science students prepare to pass their Python exams with flying colors. The knowledge required included Python's OOP (Object-Oriented Paradigm), parallelism and optimization techniques with **multiprocessing** / **threading** / **asyncio** / **concurrent.futures**, as well as basic unit testing with **pytest** and unittest.

Multimedia Inserts
Client: TVP (Polish Television)
07/2023 – 11/2023
I have made **fake operational systems using OS.js**, **Bootstrap-based websites** and **Flutter-based mobile applications** that were designed to resemble those widely used in our everyday lives. The inserts play their role in a new TV series „Profilerka" produced by TVP.

🎓 EDUCATION

Computer Science (Cloud Applications and Systems Engineer)
DSW University of Lower Silesia
2023 – 2027 | Wrocław, Poland

🌐 LANGUAGES

English (B2/C1) • **Polish** (Native)