

# Piotr Gaszczyński

Python Backend Developer

## Contact Information

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GitHub: <https://github.com/PedroPLCode>

## Professional Summary

**Backend Developer** with expertise in **Python, Flask, Django, SQL, REST API** and **frontend** technologies (JavaScript, React.js, Redux, HTML5, CSS3, SCSS). Skilled in data analysis (Pandas, NumPy), AI-assisted coding (GitHub Copilot, ChatGPT) and cybersecurity best practices. Experienced in team leadership, problem-solving, project management, and working in multilingual environments. Comfortable with GNU/Linux and FreeBSD. Currently developing an automated cryptocurrency trading bot and exploring machine learning with Keras.

## Technical Skills

**Programming Languages:** Python, JavaScript

**Backend Frameworks:** Flask, Django

**Frontend Frameworks & Libraries:** React.js, Redux

**Databases:** SQL, PostgreSQL, MySQL

**Web Technologies:** HTML5, CSS3, SCSS, Responsive Web Design

**Data Analysis & Machine Learning:** Pandas, NumPy, Keras

**Development Practices:** Object-Oriented Programming (OOP), Test Driven Development (TDD), REST API Development, Unit testing

**Cybersecurity:** Secure coding, API security, penetration testing, vulnerability assessment, web application security (SQLi, XSS, etc.)

**Tools & Systems:** AI-assisted coding, Git/GitHub, GNU/Linux, FreeBSD, Docker, pytest

**DevOps & Deployment:** Nginx, Gunicorn, Docker, FreeBSD, Debian, PostgreSQL, systemd

## Soft Skills

- Problem-solving
- Teamwork
- Time management
- Adaptability
- Communication
- Leadership

## Languages

- Polish - Native
- English - Advanced

## Technical Projects (Freelance / Open Source)

**Cryptocurrency Trading Bot - Python, Binance API, Pandas, NumPy, Keras - 2024**

- Developed automated trading bot with real-time data analysis
- Implemented algorithmic trading strategies and data-driven decision-making
- Applied AI-assisted coding and secure API integration

**Tech Stack:** Flask, SQLAlchemy, APScheduler, Binance API, Pandas, Numpy, Keras

## BrutePedro - HTML POST Form Tester - 2025

- Python tool for ethical testing of web form security (HTTP POST)
- Configurable payloads, session handling, delays, and detailed result logging

### **Zen - Vulnerability Scanner - 2025**

- Modular scanner detecting XSS, SQLi, and insecure headers
- Plugin-based design, async scanning, and JSON/CSV reporting

### **Freelance & Personal Open Source Projects - 2023-Present**

- Personal GitHub Repository portfolio showcasing backend, cybersecurity, and data analysis projects
- Focus on clean code, maintainability, testing, and documentation

### **Work Experience**

Team Leader - Global Wind Service - 2017-Present

- Lead Rope Access Authorised Technicians for offshore wind turbine maintenance
- Supervise project progress, safety, and compliance
- Prepare reports and communicate with clients
- Skills applied: Leadership, Project Management, Safety Compliance, Teamwork, Communication

Owner - Optima Rope Access Solutions - 2011-Present

- Plan and manage Rope Access projects
- Coordinate teams and client interactions
- Skills applied: Project Planning, Client Management, Problem-Solving, Team Coordination,

### **Education & Certificates**

Cyberium Masterclass - Cybersecurity Training - 10/2025

- Advanced penetration testing course with extensive labs
- Web application security, SQL injection, XSS, and other security topics

Kodilla Bootcamp Backend - Python, Flask, Django - 05/2024

- Backend development using Python and Flask
  - REST API design, database integration, project deployment
- Kodilla Bootcamp Frontend - React & JavaScript - 10/2023
- Frontend development with React.js and JavaScript
  - HTML5, CSS3, SCSS, responsive web design, Redux state management

Adam Mickiewicz University - Master of Biology - 2010

- Analytical skills, scientific approach, problem-solving

### **Data Processing Consent**

I agree to the processing of personal data provided in this document for realising 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).