Stanisław Rogala
Backend Developer

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I am looking for a remote, or stationary long-term job as a backend and basic frontend developer with Python/Django, AI developer, or possibly PHP/Symfony. Mid. Available immediately, but prioritizing fit.

Areas of Expertise: Server-Side Logic, Database Management, CRUD operation, API Development, API integration, Authentication and Authorization, Server Management, Performance Optimization, AI (data collecting and preparing, training and testing), Unit and Integration Testing, Containerization, CI Pipelines, AWS Deploy, Version Control, Documentation, Basic Frontend, Scripts for 3D software like 3D Studio Max.

Skills	Python, PHP, C++, C# Django, Symfony PyTorch, Pandas, NumPy, MatPlotLib, Pytest, CSV, OpenCV AI training, Data collecting, Data processing, Web scrapping, SQL, MySQL, SQLite, relational databases (ORM), debug Linux HMTL5, CSS, JavaScript, Bootstrap AWS (EB, EC2, λ), Docker, GitHub, Git, Version Control Systems, DDEV, data algorithms, CI/CD, VTUNE, Developed interpersonal skills, Attention to detail, Flexible, Innovative, Problem-solving, Collaboration skills
Tools	Visual Studio Code, PyCharm 3D MAX, Autocad, Solidworks, Adobe Package, and others
Lang	English- C1, Chinese- A1, Polish- native
Hobby	Programming, Backend, Big Data, AI, Electronics service, New technologies, 3D printing, 3D graphic, Extreme sports, Geopolitics, Stock exchange

GitHub Projects

AI Stock exchange analyzer (2024-)- An application that gathers online data about companies listed on the Polish stock exchange, analyzing specific variables and their correlations with stock prices. It leverages a pre-trained AI model to conduct the analysis, using web scraping to collect relevant data from the internet.

Skills: PyTorch, Django, Web scrapping, RESTful APIs, GitHub, Docker, MySQL.

Reddit (2024-)- Developed a platform for users to share content and engage in discussions, with a focus on backend features like posts, comments, and rewards. Implemented RESTful APIs and optimized database structure for seamless functionality.

Skills: Python, Django, RESTful APIs, MySQL, PyTest, Nginx, Docker, AWS, JS, HTML5, CSS, GitHub, ClickUp.

Markowitz Theory Stock Portfolio Optimization (Sep 2023 - Apr 2024)
Sophisticated tool for optimizing investment portfolios, grounded in Markowitz's Modern Portfolio Theory. The tool dynamically analyzes big stock data from the Polish stock exchange to generate optimal asset allocations, balancing risk and return. Tools of this type are used by investment funds.

Skills: Django, Pandas, Polars, MatPlotLib, AWS , Data Science, BigData, Data processing, Web applications.

Vending Machine System (Sep 2023 - Apr 2024)
Developed a vending machine system controlling lights of sport courts after coin or bill payments, programmed in C++ using Arduino. Integrated the system with manual electric switchboards.

Skills: C++, Arduino, Electronics, Embedded Systems, signal filtering, device engineering, device projecting.

Multiplayer Pong Game (2023)
Created a real-time online multiplayer pong game through PubNub servers. Designed an intuitive, easy-to-use interface with minimal setup for players.

Skills: Python, PubNub, Real-time multiplayer, Game design, interface design, Signal exchange, synchronization.

Work History

2024- now StayInFront Digital
-Optimizing (VTUNE) c++ scripts for: elementary geometry, feature detection in images (split ASIFT), image stitching. Time reduce 40-60%.
-Implementing newest AI image segmentation and recognition CNN algorithms. Collecting and preparing data for AI training, training and testing. (PyTorch) MIOU increase from 79 to 86 %
-Creating and maintaining databases (Django)

2022- now Backend and basic frontend dev (Qbit Studio selfemployed)
-Creating applications to create and manage databases. (e-commerce)
-Creating applications to calculate the risks, profit and asset weights of portfolios on stock exchange market
-Creating simple front-end sites with REST API communication to back-end

2014- 2023   Marketing Specjalist/ Product Manager (Amica)
-Optimizing production cost and processes by changing the product manufacturing technology, I reduced costs by 68% and production time by 82%
-Creating various types of media for Amica products. 3D graphic packshot, renders and animations
-Creating advertising campaigns in various forms of media communication

Courses
2022- Python. 100 Days /100 projects. The Complete Python Pro Bootcamp
2022- Complete Web Development Bootcamp
2022- Python Django - The Practical Guide
2021- CS50 Harvard course (C#)

Education
2015- 2019   Mechatronics, engineer
Poznan University of Technology
2011- 2016   Physics/ Nanotechnology, Master degree - UAM Poznań