Vladimir Saraikin

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About

Software Engineer with 3+ years of experience from Warsaw (Poland), who is highly interested in backend development and machine learning.

Professional Experience

Backend Engineer — November 2022 – Present
Bank of America (contractor via CompatibL) — *Warsaw, Poland*
- Optimized the number of requests to the API using caching to NoSQL databse.
- Expanded server-side infstracture of microservices for trading tesk.
- Developed a CI/CD pipeline for pushing new data on microservices.

Python Developer — May 2021 – Present
CompatibL — *Warsaw, Poland*
- Designed and implemented internal firm's tools with *Python* and *Docker*. Covered them with tests.
- Architected a backend side of applications running on Docker.
- Communicated with clients. Documented methodologies in LaTeX and uploaded them to the server via custom-written tool.
- Increased the speed of a parser by 10 times using *asyncio*, *aiohttp* and *multithreading* packages.
- Performed model validation. Priced financial instruments with *Python* and *QuantLib* via client's methodology.
- Worked with a risk-management team on analysing and developing a ML model for time-series data.

Python Developer — June 2020 – May 2021
Neattech.io — *Minsk, Belarus*
- Developed an infrasructure for crypto market that allows to follow different metrics.
- Created a ML model based on alternative blockchain data.

Projects

Django Car App | *Python, Django, PostgreSQL, Docker, Redis, Celery*
- Developed a web application using Django for car dealers, suppliers and buyers.
- Stored the data into the database using PostgreSQL.

Arbitrage scanner | *Python, asyncio, ccxt*
- Made a scanner to find arbitrage opportunities on 20+ exchanges using websockets.
- Used asyncrhonus packages, coroutines for highly concurrent computing.

Education

Belarusian State University — Sep. 2018 – June 2022
Bachelor of Science in Economics — *Minsk, Belarus*

Skills

Programming Languages: Python, JavaScript, C++, SQL, bash/zsh
Frameworks: Django, Flask, FastAPI
Databases: PostgreSQL, Sandra
Tools: Docker, Git, Quartz, AMPS, Celery, Redis
Languages: fluent in English, Russian and Belarusian; intermediate in Spanish
Interests: basketball, chess

Achievements

Champion – "Fintech Hackathon 2021", developed a backtesting app in a team of three
Champion – "World Economics Olympiad 2019", wrote a research paper about digitalization
Medalist – "Higher League", solved 15/15 tasks in the "Math methods in Economics" section
Medalist – "CFA Institute Research Challenge 2020", created an equity report in a team of five
Medalist – "BSU Finance Challenge 2021", took first place in the "Quant Methods"