

# VLADIMIR SARAIKIN

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## ABOUT

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Quant Python Developer, who is highly interested in financial markets, development, and machine learning.  
Legal status: Belarusian-born citizen, permission to work in Poland (Poland Business Harbour exp. Apr. 2023).

## PROFESSIONAL EXPERIENCE

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### Quantitative Developer

May 2021 – Present

CompatibL

Minsk, Belarus

- Performed model validation. Priced financial instruments with *Python* and *QuantLib* via client's methodology.
- Architured an architecture for backend applications running on Docker with a backend framework.
- Designed and implemented internal firm's tools with *Python* and *Docker*. Covered them with tests.
- Communicated with clients. Documented methodologies in LaTeX and uploaded them to the server via *ssh*.
- Increased the speed of a parser by 10 times using *asyncio*, *aiohttp* and *multithreading* packages.

### Business Analyst

Apr. 2021 – June 2021

Neattech

Minsk, Belarus

- Communicated with developers and customers to find the appropriate solutions.
- Managed a business project and documented the business processes.
- Controlled expenses of the project and reported info to the CEO.

## PROJECTS

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[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.

[Portfolio analyzing tool](#): | *Python, pandas, matplotlib*

- Created a module that analyzes a portfolio of assets, rebalances them and visualizes them in one line of code.
- Calculated Alpha, Beta, VaR, Sharpe Ratio, Sortino Ratio, Treynor Ratio, Annualized Return and Volatility.

[Telegram trading data bot](#) | *Python, pandas, pyTelegramBotAPI*

- Built a bot that sends an image of a quote of an asset via selecting time-frame, ticker, and exchange.
- Used seaborn, pyTelegramBotAPI, pandas to aggregate to deliver the data.

[Arbitrage scanner](#) | *Python, asyncio, ccxt*

- Made a scanner to find arbitrage opportunities on 20+ exchanges using websockets.
- Used asynchrhonous packages, coroutines for highly concurrent computing.

## EDUCATION

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### Belarusian State University

Sep. 2018 – June 2022

Bachelor of Science in Economics

Minsk, Belarus

- Cumulative weighted GPA 8.6/10.0
- Thesis: "Derivatives in the world economy"

## SKILLS

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**Programming Languages:** Python, SQL, bash/zsh, C++

**Tools:** Docker, Git, PostgreSQL, Redis, Flask, Django, Cython, scikit-learn, celery

**Languages:** fluent in English, Russian and Belarusian; intermediate in Spanish

**Interests:** basketball, chess

## ACHIEVEMENTS

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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"