Nikita Samsonov

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SKILLS

Engineering

- **Software Development** - Go, C/C++, PostgreSQL, Git, Docker, Graphana, EVM
- **Data Engineering** - Python, numpy, matplotlib, pandas
- **Text Processing** - LaTeX

General

- **Languages** - English – Upper-Intermediate, Russian – Native, Hebrew – Beginner

EXPERIENCE

JetBrains

Software Engineering Intern *November 2021 – April 2022*

- Extended the functionality of the ReSharper by adding the ability to choose the desired configuration for indentation and alignment in a column without affecting the source code.
- Added a settings section for virtual alignment similar to the settings for normal alignment.
- Fixed a bug that aligned the column not by user code, but by the visual element.
- Wrote tests for implemented classes and some integration tests to check the interactions of new code and the existing code.

Yandex

Software Engineering Intern *July 2022 – October 2022*

- Implemented a search functionality for an Amazon S3 bucket using PostgreSQL.
- Implemented the ability to subscribe to an event instead of polling the API every second, which helped offload the API and speed up the service.
- Accelerated and simplified the contribs update process by automating it. 95% of contribs were updated automatically and only 5% had to resolve conflicts and change source code manually.
- For all the pieces of code I wrote, I tracked metrics. This was necessary to analyze how quickly and correctly my part of the service worked.
- Wrote unit tests for implemented modules. Tested multi-threaded code for data races and deadlocks.
- Used Go, C++, Docker, local message broker and PostgreSQL.

DeFi MEV

Software Engineering *April 2023 – Sep 2023*

- Created an infrastructure that allowed to find MEV opportunities.
- Created the infrastructure to carry out the MEV.
- Found bots that are engaged in MEV and conducted their analytics, identified tokens and exchanges that they use for MEV, found their weaknesses.
- Optimized MEV, found patterns that reduced latency and fees.
- Made various monitors to track the success of our MEV bot: transaction monitoring, balance monitoring, etc.
- Used Go, Docker, Solidity, EVM, Grafana.

EDUCATION

Higher School of Economics

Bachelor in Software Engineering *Sep 2020 - Jun 2022*

GPA: 7.93

Reichman University

Bachelor in Software Engineering *Sep 2023 - Jun 2026*

ACHIEVEMENTS

- Rating on Codeforces: 1911
- Prize-winner at the All-Siberian Open Olympiad Informatics.
- Prize-winner at Lomonosov olympiad in Computer Science and Programming.