Nikita Samsonov

Israel
+972584832213
nikita4109@gmail.com
github.com/nikita4109
linkedin.com/in/nikita4109

SKILLS

Engineering
- **Software Development** - Go, C/C++, PostgreSQL, Git, Docker, Graphana
- **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.

MidGPTBot
Junior Software Engineering   *January 2023 – March 2023*
- Paralleling each user so that server resources are used as optimally as possible and the user gets the best possible experience using the service.
- Optimising the cost of using neural network APIs.
- Aggregation of different neural network APIs and improvement of their response quality by means of prompts.
- Deployment and management in the cloud. Deploying bot using Docker and Google Cloud Platforms.
- Visualization of collected metrics using Graphana.
- Used Go, Docker, Graphana, PostgreSQL and Google Cloud Platforms.

EDUCATION

Higher School of Economics
Bachelor in Software Engineering   *Sep 2020 - Jun 2022*
GPA: 7.93

ACHIEVEMENTS

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