Iskander Sabirov

 IskanderSabirov | ✉ sabiroviskander@yandex.ru | ⌖ IskanderSabirov | ▪ +79178997918

EXPERIENCE

Huawei | C++ | June 2024 - Present   Data Algorithm Technology Center

- Optimized core algorithm performance by 13% via SIMD parallelization.
- Developed a high-performance in-memory compression framework by refactoring multiple open-source algorithms.
- Enhanced compression ratio by introducing new literal types, significantly improving efficiency in data storage and retrieval.
- Performed refactoring of the system to enhance extensibility and scalability for new algorithms.

Devneya | TypeScript | February-May 2024

Implemented real-time data chunking for AI model integration, improving billing accuracy and token management.

PROJECTS

Topic Keeper Bot | Go, PostgreSQL, Docker   Topic Keeper Bot

Designed a Telegram and VK bot for intelligent topic tracking using Worker Pools and Publish/Subscribe patterns.

Film Server | Go, PostgreSQL, Docker   Film Server

Built a REST API service with role-based access control, enabling secure and efficient movie database management.

Huffman Coding and Decoding | C++   Huffman

Developed a console-based file compression and decompression tool using Huffman coding. Optimized for high efficiency with an object-oriented approach and integrated automated testing via 'doctest'.

EDUCATION

2022 - present   Bachelor's Degree at **SPbU Math-CS (Modern Programming)**

February 2025 - May 2025   C++ course **SHAD (Yandex School Of Data Analysis)**

February 2025 - May 2025   Go course **SHAD (Yandex School Of Data Analysis)**

TECHNICAL SKILLS

Languages: C/C++, Go, Python, SQL
Tools: Linux, Git, CMake, Docker

ACHIEVEMENTS

- All Russian Olympiad in Math, 2021, finals prize-winner.
- All Russian Olympiad in Math, 2020-2022, 1/2 finals winner.