Iskander Sabirov

IskanderSabirov | sabiroviskander@yandex.ru | IskanderSabirov | +79178997918

EDUCATION

2022 - present   Bachelor's Degree at **SPbU math-cs (Modern Programming)**

EXPERIENCE

Devneya | TypeScript | February-May 2024   Devneya.com

Processed client requests, including handling streaming data formats, and implemented an algorithm to break incoming data into OpenAI-compatible chunks for language models. This enabled accurate billing by calculating input and used tokens.

PROJECTS

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

We developed a bot for the user's smart feed in Telegram, VK, MatterMost. The user can select channels and topics of interest and the bot will signal about them. The program is written using such patterns in the Go language as : *Worker Pools, Publish/Subscribe, Select Statement.* In this project I worked on the part that is responsible for VK, Telegram and database.

Film Server | Go, PostgreSQL, Docker   Film Server

A server is implemented to offer a REST API for overseeing the movie database, supporting two distinct user roles: regular users and administrators. Administrators possess the authority to access, modify, add, and delete data, whereas regular users are limited to data retrieval only.

Huffman coding and decoding | C++   Huffman

The Huffman Compression Application is a console-based program that utilizes the Huffman algorithm to efficiently compress and decompress files. Designed with an object-oriented approach and automated 'doctest' tests, the application ensures reliable and accurate data compression. .

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SKILLS

Go | C\C++ | Kotlin | TypeScriptSQL | Haskell | Git | Linux

COMPLETED COURSES

Mathematical foundations of algorithms | Calculus | Linear algebra | C\C++ | Kotlin |
Linux | Object-Oriented Programming | Database | Haskell | Theoretical CS |

ACHIEVEMENTS

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