

BEHRUZ MANSUROV

✉ mr.behruzmansurov@gmail.com | [in mrbehruzmansurov](https://www.linkedin.com/in/mrbehruzmansurov) | [G MansurovB-source](https://github.com/MansurovB-source)

Education

ITMO University

Bachelors of Software Engineering

- GPA - 4.62/5.0

Saint Petersburg, Russian Federation

Sep. 2018 – Sep. 2022

Highlighted projects

TCP - Exchanger | Java 8, PostgreSQL

Apr – June 2019

- Client-server application with registration, authorization in "pure" Java, the transmission of data about user objects via TCP in JSON format, and data storage in a database. Users can view all the objects which stored on the DB, but can change only their own ones.

PointChecker | Java 8, PostgreSQL, Spring Framework, VueJs

Oct – Jan 2020

- A VueJs-based REST web application that checks whether a point falls within the specified area of an authorized user. The Spring backend is responsible for data validation and storage.

Set of applications that implement computational math. methods | Java 8

Feb – May 2020

- Created several utilities that can find solutions to systems of linear and nonlinear algebraic equations, Cauchy problems; integrate, approximate and interpolate functions.

Bmp-tools | C, Makefile, Bash

Oct – Dec 2020

- A simple C-based app for rotating, blurring, and mirroring, as well as a sepia filter for BMP images.

Custom memory allocator | C, Makefile, Bash

Nov – Jan 2021

- Implementation of own version of malloc and free based on the memory mapping system call mmap and a linked list of chunks of arbitrary sizes. It can be viewed as a simplified version of a memory manager typical for the standard C library and shares most of its weaknesses.

Production and sale of sausages | Java 8, PostgreSQL, Spring Framework, VueJs

Nov – Dec 2021

- A REST web application based on VueJs with user authorization to order sausage products. The Spring backend is responsible for verifying and storing data. Triggers and functions were created for the designed database to ensure data integrity. And added indexes to some tables to achieve high query performance.

Gangster-NTFS | C, Makefile, Bash

Feb – May 2021

- Is basic application for serving NTFS file system. Gangster-NTFS can read and copy files and directories from NTFS file system to the outside and get all connected devices.
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Achievements

Google Hash Code 2021, **top 12%** in Online Qualification

International Zhautykov Olympiad in Math, Physics and Programming 2018, **Finalist**

HackNU 2021 International Online Hackathon **1st place in the category from Facebook**

Skills

Languages: Java, C/C++, JavaScript, HTML/CSS

Frameworks: Spring Frameworks, VueJs

Developer Tools: Git, SVN, JUnit, Selenium, ANT, Maven

DBMS: PostgreSQL, MySQL

Experience with: C#, Python, Shell