

Daniil Osipov

JAVA, KOTLIN, C++ DEVELOPER

Saint-Petersburg, Russia

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“Think it’s cool!”

Summary

Developer filled with energy to solve complex tasks and open to new experience.

Education

ITMO University

BACHELOR OF APPLIED MATH AND COMPUTER SCIENCE

Saint-Petersburg, Russia

2021 - 2025

Skills

- **Programming languages**

Java, Kotlin, C++, JavaScript, Haskell

- **Frameworks and technologies**

Git, LaTeX, Bash, PostgreSQL, Spring Boot

- **Knowledge**

Algorithms and Data Structures, Discrete Math, Math Analysis, Linear algebra, Operating Systems, Mathematical statistics

Projects

- **NoSQL** - NoSQL database written in Java on VK course 2023
- **Highload** - Highload system written in Java on VK course 2024
- **Expression Parser** - Java application for parsing and evaluating arithmetical expressions
- **TicTacToe game** - TicTacToe game with hex modification written in Java
- **Markdown to html** - Markdown to html written in Java
- **Implementor** - generating default realization for given class written in Java
- **Crawler** - crawl site with all links written in Java
- **ArraySet** - implementation of navigable array based set written in Java
- **Parallel tasks performer** - parallel tasks performer written in Java
- **Client-Server** - UDP communication client-server with and without non-blocking in-out and with written in Java
- **BBCode dsl** - dsl for BBCode written in Kotlin
- **Reddit parser** - Program for parsing topics and comments on reddit.com written in Kotlin
- **xv6 copy on write** - copy on write optimization for xv6 OS written in C
- **xv6 allocator** - optimized allocator for xv6 OS written in C
- **Network file system** - remote file system written in C
- **std::list** - my implementation of std::list

- **std::vector** - my implementation of std::vector
- **socow_vector** - std::vector with small-object and copy-on-write optimizations
- **big_integer** - my implementation for long integer arithmetic written in c++

Honors & Awards

2021 **Winner**, Olympiad "Phystech in mathematics"

Russia

2019 **Finalist**, All-Russian Olympiad in Economics

Russia

2019-2021 **Prize-winner**, All-Russian Olympiad in Economics: Regional tour

Udmurt Republic,

Russia

2019-2020 **Prize-winner**, All-Russian Olympiad in Math: Regional tour

Udmurt Republic,

Russia