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EDUCATION

• Bachelor of Science in Applied Mathematics and Computer Science

National Research ITMO University

Sep. 2020 - Jun. 2024

Relevant coursework: Java, C++, Algorithms and Data Structures, Computer Architecture, Linear Algebra, Operating Systems, Web Programming, Optimization Methods, Functional Programming, Multithreaded Programming, Data Analysis, Translation Methods, Android

EXPERIENCE

Yandex Market

Moscow, Russia

• Software Engineer Intern at Partner Notification and Sorting Center teams

Sep. 2022 - Dec. 2022

Java Spring PostgreSQL Arc XML Mustache

- Rewrote XSL notification templates to Mustache templates and implemented new features in partner-notification microservice, deleted unnecessary notification templates, designed and delivered a controller for rendering notification templates.
- Optimized and improved the functionality of the partner interface of the sorting center, implemented controllers for new features and fixed a few major bugs.

SELECTED PROJECTS

Nonblocking UDP Client-Server

- a client and server interacting over UDP using only non-blocking I/O were implemented.
- the client sends requests to the server, accepts the results and outputs them to the console
- the server accepts requests sent by the client and responds with `Hello {request text}`
- if the server does not have time to process requests, the reception of requests may be temporarily suspended. default values.

Stack: Java

Implementor

- a class was implemented that generated compiled java code of any interface or class whose name was passed to it as input
- methods of the generated class ignore their arguments and return default values.

Stack: Java

Expressions Parser

- implemented the parser which can parse simple operations with variables and constants and as a result returns the expression evaluation result, added comprehensive error handling and exceptions processing.

Stack: Java

Implementation of NavigableSet interface

- an immutable ordered set was implemented that implemented the NavigableSet interface.
- all operations on sets are performed with the highest possible asymptotic efficiency.

Stack: Java

CodeForces Clone

- developed a web application which repeats CodeForces functionality like creating posts and adding comments and etc.
- implemented multiple CRUD applications like user and post management
- developed authorization using JWT

Stack: Java, FreeMarker, Spring, AJAX, Vue.js, MariaDB

Twitter Clone

- developed a web application which repeats Twitter functionality like creating posts and subscriptions.
- implemented multiple CRUD applications like user and post management
- developed authorization using JWT, sending confirmation code, and google captcha

Stack: Java, FreeMarker, Spring, AJAX, PostgreSQL

Messenger

- developed an android application with pretty interface which repeats Telegram functionality like chatting, sending messages and images.

Stack: Kotlin, Xml, MariaDb

PROGRAMMING SKILLS

Languages: C++, Java, Python, JavaScript, Bash, Kotlin, Haskell

Frameworks & Tools: Spring Boot, Vue.js, Git, Arc

IDEs: CLion, CodeBlocks, IntelliJ IDEA, PyCharm, WebStorm, Android Studio...

ACHIEVEMENTS

Prize-Winner, Samara University Olympiad in Math (**3rd degree diploma** – 300+ participants)

Prize-Winner, Tajikistan National Competitive Programming Contest (**3rd degree diploma** – 1000+ participants)

3x Prize-Winner, Tajikistan Regional Programming Contest (**2nd and 3rd degree diplomas** – 100+ participants)