

NIKOLAY IGNATOV

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EDUCATION

ITMO University

Bachelor of Science in Applied Mathematics and Computer Science

Saint-Petersburg, Russia

2020-2024

Relevant courses

- **Programming** C++, Algorithms and Data Structures, Unix, Computer Architecture and Operating Systems, Functional Programming, Bioinformatics, Data analysis, Java advanced, Networks, Translation methods, Databases, Distributed programming, Parallel programming, Machine learning, Git
- **Math** Calculus, Linear Algebra, Graph Theory, Combinatorics, Mathematical Logic, Probability theory, Coding theory, Mathematical statistics

Thesis

Development of automatic addition of employees to the registry when creating a payroll for the salary project of Bank "Saint-Petersburg"

SKILLS

Programming Languages

Kotlin, Java, Typescript/Javascript, C++, Python

Technologies and tools

Oracle, PostgreSQL, H2, Hibernate, Ktor, Koin, Exposed, Spring, Spark, Docker, Kafka, Junit5, Mockito, Selenide, Jest, React, Redux, Mui, Git, Gradle, Jenkins, OOP, SOLID, REST, Microservices, TDD, XP, MVC

EXPERIENCE

Lipt Soft

Full-stack developer

Saint-Petersburg, Russia

Jul 2022 - present time

Software development and maintenance (Backend, Frontend, Automated QA) for Bank "Saint-Petersburg"

- **Salary project for corporate customers** Sep 2022 - Dec 2023
- **Fast payment system for corporate customers** Dec 2023 - Apr 2024
- **Progressive web application for private customers with adaptive layout** Apr 2024 - present time

PROJECTS

Parser generator → Kotlin

- [LALR parser generator](#)
- Antlr-like grammar files with regular expressions and kotlin functions support
- Visualization of the parsed tree

Messenger database → Sql, PostgreSQL 15.4

Designed database that can be used to create a messenger like mattermost

Expression parser → Java

Implemented a parser for calculating arithmetic expressions by recursive descent

Generating interface implementation → Java

Developed an application, that generates an implementation of an arbitrary interface using Java reflection