NIKOLAY IGNATOV

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EDUCATION

ITMO University — Saint-Petersburg, Russia
Bachelor of Science in Applied Mathematics and Computer Science — 2020-2024

Relevant courses

Algorithms and Data Structures, Linux, Computer Architecture and Operating Systems, Functional Programming, Java advanced, Networks, Translation methods, Databases, Distributed programming, Parallel programming, Git, Coding theory

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
Technologies and tools	Oracle, PostgreSQL, H2, SQL, JPA, Ktor, Koin, Spring, Spark, Docker, Liquibase Kafka, Junit5, Mockito, Selenide, Git, Gradle, Jenkins, Memcached, Bash, Exposed Automated QA, OOP, SOLID, REST, Microservices, TDD, XP, MVC, Code review React, Redux, Material UI, Jest, Jquery, Ajax

EXPERIENCE

Lipt Soft — Saint-Petersburg, Russia
Full-stack developer — 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