

# NIKOLAY IGNATOV

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## EDUCATION

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### ITMO University

*Bachelor of Science in Applied Mathematics and Computer Science*

Saint-Petersburg, Russia

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

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**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

## EXPERIENCE

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### 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

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### 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