Vikhnin **Fedor**

SOFTWARE DEVELOPER (JAVA/KOTLIN)

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Experience

Huawei R&D
Saint Petersburg

SOFTWARE DEVELOPER
Aug. 2022 - current

- **Description:** Work on a cross-platform reactive UI framework based on the concept of positional memoization. The framework is written in TypeScript, the render engine is in C++. A team of 13 people.
- Leads team developing a gesture system: implementation of signal reception, processing architecture at the framework level and logical recognition control
- Created of a demo application in which the capabilities of the framework had been explored, areas of development and evaluation of user experience were identified
- Developed range of components
- Manages team, reviews code
- **Technological Stack:** TypeScript, Java 8, C++, Android, Skia, GLFW, JNI, V8, Docker, git (GitLab)

Yandex.Direct
Saint Petersburg

SOFTWARE DEVELOPER
Aug. 2021 - June 2022

- **Description:** Worked on the contextual advertising system on Yandex pages and Yandex advertising system partner sites.
- Developed a test framework for integration testing of cases of using "smart strategies" - a system of targeting settings for advertising campaigns
- API development for interaction with third-party Yandex services (Yandex.Metrica, etc.)
- Developed automatic tasks for log queue analysis in the system
- Maintained multiple repositories and services for accumulating various data on strategies
- **Technological Stack:** Java 11, Kotlin, GraphQL, jOOQ, Postgres / MySql, Protobuf, Mockito, Spring Boot, Apache Kafka, Docker, git (Arc)

NDA (Startup)
Saint Petersburg

CTO
May 2022 - current

- **Description:** Product development is a personal guide for leisure activities.
- Leads a development team of 4 people: sets tasks, distribes tasks, tracks deadlines and quality of execution
- Architecture development products from scratch, technology stack selection, development efficiency analytics
- Wrote the main mechanism of the project and developing scalable technical solutions.
- **Technological Stack:** Java 13, Kotlin, Python, jOOQ, Spring Boot, Google/Yandex-API, Telegram-API, git (GitHub)

Education

ITMO University
Saint Petersburg

MASTER DEGREE IN COMPUTER SCIENCE
Sep. 2023 - current

- Learn **Distributed Systems** and **Formal Verification**

ITMO University
Saint Petersburg

BACHELOR DEGREE IN COMPUTER SCIENCE
Sep. 2019 - Aug. 2023

- Had **GPA** equals to **4.31**
- **Defended article with excellent mark** with theme **"Formal verification of the classification of definable functions in simply-typed lambda calculus"**
- Nominated for **two years by award for high academic achievements** from Huawei, Serokell и Selectel

PFML №239
Saint Petersburg

STUDENT
Sep. 2015 - Aug. 2019

- Finished school with **silver medal**
- Became **3 times the winner of the Regional stage of the All - Russian Olympiad in Physics**

Achievements & Awards

2023	**IELTS 6.5/9 (B2+)**, Date: 22.04.2023	
2022	**Winner of the Academic Achievement Award from Selectel**, ITMO University	*Saint Petersburg*
2022	**Winner of the Academic Achievement Award from Serokel**, ITMO University	*Saint Petersburg*
2021	**Winner of the Academic Achievement Award from Huawei**, ITMO University	*Saint Petersburg*

Additional

Laboratory of Computer Technologies at ITMO University *Saint Petersburg*

Employee *June 2021 - Sep. 2021*

- Compared Drift Analysis methods for Random processes
- Wrote an article analyzing the areas of applicability of various theorems on a number of types of situations
- Verified the results obtained and developed a new theorem