

Danil Mozzhevilov

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EDUCATION

ITMO University

Bachelor of Science in Applied mathematics and informatics

Saint Petersburg, Russia

2020 - 2024

EXPERIENCE

Kotlin SWE

Yandex Fintech

Feb 2023 – present

Saint-Petersburg, Russia

- **Autotopup during transaction (Autofund):**
 - * Developed an innovative system that seamlessly transfers funds from donor accounts during transactions to cover deficits.
 - * Autofund's code functions **asynchronously** and guarantees **idempotency**.
 - * Established robust monitoring and fulfill regulatory compliance, including automated report generation via JasperReports from backoffice platform.
 - * Enhanced a notification system using **Kafka** to proactively communicate with users about failed funding attempts, improving user experience and engagement.
- **Secure database access platform for backoffice:**
 - * Developed a microservice enabling support and back-office to **access real-time database information** and **perform role-based actions**, ensuring bank's compliance.
 - * Utilized the **backend-driven UI** library to create an intuitive and efficient front-end interface.
 - * Enhanced backend functionality to support streamlined operations and reduce approval bottlenecks.
 - * Significantly improved **ticket resolution speed** and **operational efficiency** for support and back office teams.

C++ SWE Intern

Yandex Browser

Feb 2022 – June 2022

Saint-Petersburg, Russia

- Redesigned the password form generator into **an abstract factory**.
- Supported/merged migration from 99th to 100th Chromium core.
- Reworked legacy code in extension bar.

PROJECTS

ML-based Autobetter | *Python, Pytorch, Kafka, Selenium*

- Developed an automated system for real-time analysis and evaluation of online game matches.
- Assessed game situations to identify potential betting opportunities.
- Leveraged **Kafka** for data streaming and **PostgreSQL** for data storage to enhance decision-making accuracy and speed for competitive advantage.

Multithreading SAT-solver using backdoors | *Python, pysat, numpy, pandas*

- Utilized PySAT for SAT solving and incorporated MaxSAT functionality.
- Employed Pandas and Numpy for handling and analyzing task data.
- Achieved substantial performance enhancements through parallel execution and innovative algorithm design.

TECHNICAL SKILLS

Languages: Kotlin, Java, C++, Go, Python

Technologies: Spring boot, PostgreSQL, YDB, STQ (Shared Tasks Queue), Kafka, Terraform, Grafana, Clickhouse

Knowledge: Algorithms, Data Structures, Concurrent Computing, Distributed computing

TEACHING EXPERIENCE

Competitive programming teacher

Yugorsky physics and mathematics lyceum

Sep 2021 – June 2023

Khanty-Mansiysk, Russia