

Shaydulin Danil

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EDUCATION

ITMO University

Saint Petersburg, Russia

BSc in Applied Maths and Computer Science

2022 - 2026

- Academic disciplines: Advanced Python, Algebra, Algorithms and Data Structures, Calculus, Computer Architecture and Operating Systems, Discrete Math, Linear algebra and geometry, Math statistics, Probability theory

EDUCATIONAL COURSES

T-Bank Go Backend

Spring 2025

- Goroutines & channels, context, REST/gRPC; database/sql; testing & profiling.

T-Bank Data Analytics

Spring 2025

- SQL, product metrics, cohorts/funnels, A/B testing; dashboards & alerts.

YSDA golang course (Yandex school of data analysis)

Spring 2024

- goroutines, testing, net/http, database/sql, reflection, io, Go tooling

YSDA advanced python course (Yandex school of data analysis)

Autumn 2023

- Coroutines, Web, FastAPI, protobuf, MapReduce, Clean Architecture
- link on GitLab

PROJECTS

Advertising Agency Platform

2025

- Co-designed backend architecture and DB model with a team of 25 students; implemented core business logic and APIs.
- Set up k6 load testing with scenarios/thresholds; found bottlenecks and optimized PostgreSQL/ClickHouse queries; added Prometheus/Grafana dashboards.
- Ensured security and quality (Spring Security + JWT, Swagger, tests) and established CI/CD with GitHub Actions/GitLab CI.

Cinema Bot

2024

- A bot for searching for movies and/or TV series with links to watch, it is hosted on Heroku
- The bot is implemented on the basis of the aiohttp library. aiohttp is used for network interactions
- The bot uses the kinopoisk API, api.themoviedb
- link on GitHub

Qt with GUI

2023

- Create a desktop application with a user interface (GUI) that allows you to display a simple 3D surface graph and customize display properties through widgets
- link on GitHub

Virtual Machine

2023

- Virtual machine executing python byte code
- Code has its own stack, registers, memory and other components
- link on GitHub

TECHNICAL SKILLS

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

Backend: Spring (Boot, Data, Security), FastAPI

Databases: PostgreSQL, ClickHouse; SQL, Liquibase

Testing: JUnit, Mockito, Pytest

Tooling/DevOps: Maven, Docker, Git, GitLab CI/CD, Swagger UI, k6, Prometheus, Grafana, Bash

OTHER

Prize-winner (Moscow Math Olympiad, Rosatom, Lomonosov); graduate of Lyceum Second School (Top-3 Moscow).