

# Dmitry Sluch

FULLSTACK DEVELOPER

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I am fullstack developer whose carrier started in 2021 in Yandex. I am passionate about distributed and high-load systems, concurrency, databases, computer science and type theory. I am looking for a backend developer position, preferably connected with distributed systems.

## Work experience

### Yandex.Technologies, LLC

Moscow, Russia

Intern Backend Developer

2021

I developed and supported microservices written in Python and C++ in the e-commerce team, wrote scripts to be run over the Map-Reduce system (YTsauros). I worked closely with other backend and frontend teams to build a data pipeline for a new product search service.

### Higher School of Economics, International Laboratory of Theoretical Informatics

Moscow, Russia

Intern Researcher

2022

I am conducting research on decision trees and communication complexity (since September 2022, I am not an employee of HSE but I continue research)

## Education

### Higher School of Economics, Faculty of Computer Science, GPA: 8.3

Moscow, Russia

Bachelor of Computer Science, Applied Mathematics and Informatics

Sept 2019 - Current

**Courses include** Advanced Algorithms and Data Structures, Architecture of Computer and Operation Systems, Machine Learning, Deep Learning, Haskell

### Yandex School of Data Analysis

Moscow, Russia

Further education

Sept 2021 - Current

**Courses include** Distributed Systems, Concurrency, DBMS design, Computer Networks, Machine Learning, Natural Language Processing, Advanced Python, Algorithms in External Memory, Combinatorial Optimization

## Technologies

**Backend** C, C++, C#, Python, Haskell, PostgreSQL, YTsauros, Flask, FastAPI, AsyncIO, Nginx

**Frontend** JavaScript, React, Redux, HTML5, CSS3, SCSS, Pug, Webpack, GULP

**ML** Numpy, Pandas, PyTorch, HuggingFace Transformers

**Other** Docker, Git, Bash, Fish, Networking tools, Markdown, Latex, Unity3D, DirectX, GLSL/HLSL/Nvidia CG, Solidity

## Pet projects

**I wanna go home** Platformer game available on its website <https://iwannagohome.website.yandexcloud.net/>

**secHNet** Autograd and Neural Network library written in Haskell (team project) <https://github.com/xiyori/secHNet>

## Languages

**English** Upper-Intermediate

**Russian** Native

## Achievements

2021 **3rd-degree diploma**, ICPC Moscow Regional Moscow

2019 **2nd-degree diploma**, Open Olympiad in Programming Moscow

2019 **2nd-degree diploma**, Open Olympiad in Informatics and Programming Moscow

## Other activities

I am passionate about theoretical informatics, algebra, functional programming and type theory. I tutor high school students on C++, Python and algorithms. Also, I like playing CTFs, especially doing reverse engineering tasks.