



# Peganov Nikita

## Backend Developer

Backend developer with working experience in highload systems and project organization. Specialize in Python and Java with 3 years of production development experience. I am fond of creating IT-startups, generating ideas and learning new technologies. I prefer to work in Moscow.

## EXPERIENCE

### Yandex, Moscow

February 2023 — Now

**Middle Python Developer** in Infrastructure L3 Management

- reduced the service status update time from 7 minutes to 1 minute using database denormalization
- developed a collector of metrics about services and balancers, and was responsible for its stability
- integrated mechanism for providing alerts to users that sends alerts within 30 seconds

### Yandex, Moscow

July 2022 — October 2022

**Intern Python/Java Developer** of a compensation calculation system in HR-Tech

- added processing of uploads to the system reducing user work time by 50%
- implemented uploading of all user data to the cloud to increase system fault tolerance
- solved 23 minor tasks and wrote unit tests for them to improve the system

### Yandex, Moscow

July 2021 — November 2021

**Intern Python Developer** in traffic management team

- reduced by 50% the load on the servers with DB by translating readonly requests to replicas
- added ipv6 processing into balancers' work allowed to use new ip's without extra 900 lines
- created an internal library redirecting the request to the nearest datacenter

## PROJECTS

### Tinkoff, Moscow

October 2023 — April 2024

**Java Developer**, Project Manager

Tukach: The system for accepting applications for violations of corporate ethics

- developed a telegram bot for accepting applications that received 90% positive reviews
- assembled a team of 4 programmers and led it, all deadlines were met
- collected the requirements from the customer, came up with several additional ideas

### Huawei, Moscow

November 2021 — May 2022

**Python Developer**, Data Scientist

Research work «Reinforcement learning for resource allocation tasks in the cloud»

- tested the applicability of reinforcement learning in real conditions
- created and trained a neural network processing 4500 requests per hour
- the total number of processed requests was 1.5 million

### Startup SmartLearning, Moscow

November 2020 — March 2021

**Kotlin Developer**, SEO the development of the Android-application for quick learning

- assembled and managed a team of 4 programmers
- developed an Android application downloaded by 183 users
- took the 19th place at the HSE Fest startup competition

## EDUCATION

### Higher School of Economics, Moscow

Since September 2020

Bachelor in Computer Science

- Graduated courses with excellence: C++ Programming, Introduction to Applied Analytics, Databases, Calculus, Discrete Mathematics, English for Business Purposes
- Completed courses: Operating Systems, Software Design on Java, Algorithms and Data Structures, Computer System Architecture, Algebra, Software Development Methodologies, Probability Theory
- Research works in the field of neural networks were rated 9 out of 10 by scientific supervisors

Moscow, Russia

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## COMPUTER SKILLS

**Python** (Django, Jupyter, numpy, sympy, sklearn)

**Java** (Sockets, JavaFX, Multithreading, Derby, Spring)

**C/C++**

(Multithreading, STL)

**C#**

(Requests, Windows forms)

**Kotlin** (Android)

**SQL**

(SQLite, PostgreSQL)

## TECHNOLOGIES

**Git**

**Linux**

**gRPC**

**Docker**

**Selenium**

**Telegram API**

**ChatGPT API**

**JetBrains IDEs**

## LANGUAGES

**English** (B2)

**Russian** (Native speaker)

## ACHIEVEMENTS

**Winner** of ITMO "Open Olympiad of schoolchildren in computer science" (2020)

**Winner** of "United Mathematical Olympiad of schoolchildren" (2020)

**Medalist** of Olympiad of schoolchildren "Fiztech" in mathematics (2020)

**Medalist** of regional stage in All-Russian Olympiad of schoolchildren of CS and ICT (2019)

## OTHER COURSES

Summer School of **Russian Association of Artificial Intelligence** (2021)

**Tinkoff Generation** (2019)

**Samsung IT-school** (2018)