

IVAN NESTEROV

+7 (963) 575-8640 ◇ St.Petersburg, Russian Federation
nesterov.iv2018@gmail.com ◇ github.com/nesterrovv ◇ t.me/nesterrovv

OBJECTIVE

Java developer with more than 1.5 years of freelance development and tutor experience, looking for a part-time role of back-end developer.

EDUCATION

Bachelor of Computer Science, ITMO University
GPA: 4.6 out of 5.0 possible

Expected 2024

SKILLS

Technical Skills Java SE (Java Core, OOP, Collections Framework, Stream API, Networks, Concurrency)
Jakarta EE (Servlets, JSP, JSF, Beans)
Spring Framework (Spring Core, Beans, Spring Boot, Spring Data)
REST, Git, JDBC, JPA, SQL, PostgreSQL, Linux, JUnit, Jira, UML, Notion

Soft Skills Organizing the Agile working process of the team in Jira, Team development,
Public speaking skills at the all-Russian level, Personal time management system

EXPERIENCE

Freelance Developer since Sep 2021
I developed solutions for clients from Vietnam, Argentina, Russia and Kazakhstan. In addition, I helped students from 5 different universities in Russia with developing projects. I would like to note the experience in (according to the customer) improving the readability of the code due to a more successful decomposition. In addition, several projects have reduced the number of failures by more than half by handling exceptional cases.

Java Tutor since Sep 2021
I taught students from 12 to 45 years of age through my own curriculum, adapted to the needs of a particular student. Developed a system of author's homework and pet projects. 100% positive reviews are available on the [service](#).

PROJECTS

Collection Manager. Terminal client-server (based on UDP protocol) application for interactive processing of object collection elements and the data were stored in a PostgreSQL database that was interacted with by JDBC. Concurrency and authorization were also implemented. ([Try it here](#))

Delivery service. An application written on the basis of a Spring Boot using the architectural style REST. There was a authorization as a client and as a courier. A courier rating system has been developed to limit the ability to take on orders with additional requirements. All the data required for the operation were stored in a PostgreSQL database as a separate schema and normalized to the BCNF level. The schema contained indexes to optimize popular queries to the database, as well as triggers and procedures to automate some changes to the schema. The front-end part of the app was written by a colleague. ([Try it here](#))

Ubuntu driver. Ubuntu kernel driver, which implements the functionality of terminal commands *pmap* and *ifconfig*. The application worked at the kernel level and at the user level, while the data exchange took place through the *debugfs* interface. ([Try it here](#))

Human age determination system by blood particles. Genetics project developed at Sirius Educational Center. I worked on a neural network that worked on DNA samples examined by another part of the team. I invented an unusual neural network learning algorithm, which reduced the error in human age prediction from the initial 10-16 years to 2-4.5. The project (later taking the first place on the section) was presented to the jury, to which I presented its part and explained the above parts of the project. All publicly available materials are available on the [website](#) of the educational center (project 4)