



Nikolay Ovchinnikov

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Summary

I'm a software engineer with over 5 years of experience in C/C++, Python, Go, async/concurrent programming, relational databases, information security, developing web services, Linux, high load, reverse engineering.

Open for new opportunities abroad, fluently speak English (B2).

Experience

Software engineer, [Yandex . Mail](#) – 2021 - present

Backend development on the top of one of the largest PostgreSQL installations in Europe.

Operating with Boost libraries, Linux, C++ 17/20, research and analysis of performance, DevOps instruments, designing REST APIs.

Refactored the most part of the monitoring and alerting tool to Cython. Improved its performance and testability.

Adapted AWS SDK for C++ to work with Boost.Asio.

Software engineer, [Guzik Technical Enterprises](#) – 2019 - 2021

Software development in C/C++, less often in Python, from low level components (interacting with hardware) to user interfaces for high-throughput digitizers.

Worked in a distributed team: USA, Bulgaria. Was in charge of:

- improving of CI/CD processes of projects, Bash/Batch, Jenkins;
- creating from scratch Python/CPython extension of digitizer's SDK;
- performing code review and quality assurance of code base changes.

Freelancer, [FREELANCE.RU/Kolsha](#) – 2014 - 2019

Worked on about 100 projects in total, from minor fixes to creating products from scratch. Mostly in PHP but sometimes came across projects in other languages.

Other activities – 2013 - present

Participate in information security competitions.

Have experience in reverse engineering of android applications.

As a hobby worked with devices such as: Arduino, ESP8266 / 32, STM32, Orange Pi.

Education

Bachelor's degree in Computer Science, [Novosibirsk State University](#) – 2019

Chair of automation of physical and technical research, GPA is 4.5.

The thesis is related to the calibration of two cameras (stereo pair) and three-dimensional reconstruction. Technology stack is: C++, Qt and OpenCV.

While learning fundamental knowledge has been obtained about:

- computer (CPU, RAM, OS) and network protocols (TCP / IP, OSI);
- algorithms and data structures applied to C/C ++ languages;
- classic machine learning, unix, micro-controllers, etc.

About me

Eager to work in an international team, ready for relocation. I'm stress resistant, fast learner, can find and correctly interpret information (documentation, books, github, conferences) for applying in the project.