DANIIL KOVALEV
C/C++ developer

📞 +7 916 014 94 94
@ daniil@kovalev.website
📅 25.04.2001

🌐 kovalev.website
in linkedin.com/in/d-kovalev
github.com/kovdan01

OVERVIEW

My main language is C++, and I prefer to solve problems that require work on a low level and a maximum performance outcome. As a hobby I am also interested in machine learning.

SKILLS & TECHNOLOGIES

C++: STL / boost / multithreading / network / CMake / debug (gdb, WinDbg)
Python: django / numpy / pandas / scikit-learn / scipy / matplotlib / pykd

EXPERIENCE

Jan 2022 – now | **C++ Developer at LLVM Team** — **Access Softek**
Worked on open source LLVM codebase.
Technologies used: C++ / gdb / Python

Jan 2021 – Dec 2021 | **Research Developer at Performance Analysis Team** — **Kaspersky**
- Implemented method of performance testing and analysis in Linux systems with antivirus software (including KES for Linux).
- Revealed root cause of performance decrease in different scenarios: process start, file scan (on demand & on access), containerization, etc. Participated in fixing issues found.
- Covered different OS usage scenarios with performance tests.

Technologies used: C++ / perf / LTTng / Windows Performance Analyzer

Feb 2019 – Dec 2020 | **Intern at Core Drivers Development Team** — **Kaspersky**
- Integrated PVS-Studio check to drivers build pipeline.
- Developed automation instruments with Python: analyzing Windows system libraries, getting information from memory dumps using pykd, translating pdb-files to the text format.
- Developed web-applications for internal team usage with Python + Django.

Technologies used: C++ / WinAPI / WinDbg / django / pykd

OPEN SOURCE & COMMUNITY

Participated in such projects as LLVM, Telegram, MessagePack, PulseAudio, sqlpp11, MSVC2019. See more information at kovalev.website/cv.

EDUCATION

2017 – 2023 | **Specialist degree in computer security** — **Higher School of Economics**
Currently a 5th-year student; 1st position in students ranking, GPA 9.4.

ADDITIONAL TRAINING

See certificates at kovalev.website/cv.

2020 | **C++ Developer. Professional** — **Otus**

2019 | **The art of programming in modern C++** — **Coursera (MIPT, Yandex)**
White, yellow, red, brown belts.

2018 | **Introduction to Machine Learning** — **Coursera (HSE, Yandex)**

COMPETITIONS

2020 | **Prize winner of Telegram contests.** Nick on contest.com platform: Giant Hare.
- 2nd place in VoIP Contest, Round 3: contest.com/voip-contest-3
- 4th place in VoIP Contest, Round 2: contest.com/voip-contest-2

2019 | **Finalist of FINOdays hackathon**

2017 | **Finalist of MIEM Start CTF**

LANGUAGES

Russian: native
English: upper intermediate

HOBBIES

I love playing and recording guitar and bass, played in a band as a guitarist.

MISCELLANEOUS

I like to share my knowledge and once even have done that in a blogpost: habr.com/ru/post/511564. Plan to write more in the future.