



Aleksey

Work experience: 9+ years

The desired position: Senior Software Engineer

Professional qualities:

- Strong knowledge of C/C++ 11/14/17, STL, Boost, POSIX.
- Understanding of the OOP principles and the ability to apply them in practice.
- Experience of using basic design patterns.
- Knowledge of multithreaded programming.
- Knowledge GNU toolchain (gcc, make, gdb, valgrind).
- Knowledge of building tools (makefile / make, cmake).
- The habit of documenting and testing my own code (doxygen, gtest, cppunit).
- Experience with gRPC, RabbitMQ, Kafka, Docker, Azure.
- Ability to detect and fix memory leaks and multithreading issues.
- Experience working in a Scrum team and conducting Code review.
- Knowledge of version control systems (git, svn).
- English at the Upper Intermediate(B2) level.

Work experience:

	April 2023 - present Siliconmint. Senior Software developer. Job responsibilities: Development and support of the HFT platform. Technologies: C/C++, Make, CMake, Docker.
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November 2020 - November 2022

BPC. Senior developer.

Job responsibilities: Development and support of the product in the field of banking payment system (SmartVista).

Technologies: C/C++, Make, PL SQL, Jira, Git.

Achievements: In a short time have figured out the complex interaction and implemented the necessary changes to the project.



October 2019 - November 2020

Aurora Infinity. Senior C++ developer.

Job responsibilities: Development and support of the exchange trading platform, writing unit, and functional tests. Development and support of the security audit platform. Test hypotheses using Python.

Technologies: C/C++ 14, Python, CMake, Rabbitmq, gtest, Robot Framework, pthreads, plistreadr, json_nlohmann, libxml2, curl, openssl, masscan, sqlite.

Achievements: In a short time, I developed a solution based on an open-source project and modified it to close the company's needs, which made it possible to finish the project in time.



January 2018 - October 2019 (1 year 10 months)

Veda platform. Lead C++ developer.

Job responsibilities: Development and support of the Veda blockchain platform. Writing unit and functional tests. Writing the server and client parts of the blockchain browser.

Technologies: C/C++ 14, CMake, qt, cppunit, libevent, boost.asio, boost.beast, nvidia CUDA, sqlite, rocksdb.

Achievements:

I Improved the clustering mechanism of the platform by writing multithreading using Nvidia CUDA technology which reduced data processing time and increased loading in the visualization module.



July 2016 to January 2018 (1 year 7 months)

Scientific Production Enterprise Digital Solutions.
Senior C++ developer.

Job responsibilities: Software development in the field of network traffic analysis on network equipment, support of old code, writing functional and unit tests, participation in architecture planning. Test hypotheses using Python.

Technologies: C/C++ 11, Python, CMake, Bash, Boost, svn, git, cppchecker, valgrind, Robot Framework, cppunit, gdb.

Achievements:

1. Significantly improved error detection by introducing static and dynamic code analysis tools to find bugs in the project build system.
2. Improved search algorithms in the traffic analysis system.



June 2013 to July 2016 (3 years 2 months)

OAO RTI. C++ developer.

Job responsibilities: Software development in the field of space object modeling, support the old code, writing functional and unit tests, participation in architecture planning.

Technologies: C/C++, Qt, Matlab, Mathcad, Makefile.

Achievements: Increased the speed of the product by 2 times by implementing multithreading, optimizing calculations, and rendering the graphic scene.

Education:

2012-2017 Bachelor of information technology



MIREA - Russian Technological University

Faculty of «Information technologies»

Department of «Information systems»

Specialty «Information systems and technologies»