Vladislav Nikolaev

Current Location: Pavlodar, Republic of Kazakhstan

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Software developer with 7 years of experience looking for an on-site or remote position

Skills

- **Languages:** C++11/14/17 (STL, Boost.Threads, Boost.Asio, Bost.Spirit, POCO), sh/bash, Python, Perl 5, GoLang
- **Hard skills:** understanding of GNU/Linux user-space internals (ELF files, library dynamic linking), writing and debugging multithreaded code, implementing TCP/IP applications, knowledge of classic algorithms and data structures
- **Soft skills:** passion for technical details, ability to work both independently and with a team, desire for deep understanding of a subject area, ability to decompose complex tasks providing a plan of implementation
- **Software:** git, Subversion, CMake, Conan, tcpdump, Wireshark, gdb, valgrind, perf, PostgreSQL, SQLite

Experience

Automiq Softech (automiq.ru)	**Tomsk, Russian Federation**
Software Developer (Middle/Middle+)	*February 2018 – Present*

Developing and maintaining industrial automation software solutions (SCADA, HMI, storage engines).

- Ported several components of data acquisition server to cross-platform environment (Windows, GNU/Linux)
- Developed a CMake-based framework for unifying cross-platform build process across all products
- Implemented a solution for storing/retrieving historical data of a technological process (OPC DA/UA/AE values and events) to/from PostgreSQL
- Took part in development of OPC UA server solution. Implemented some parts of OPC UA standard specification (Alarms and Conditions, History Access). Implemented X.509-based authorization
- Developed several libraries for internal use (a library for reading proprietary-formatted logs, ODBC wrapper)
- Was involved in direct communications with customers while researching software defects

TUSUR Telecom	**Tomsk, Russian Federation**
Intern	*October 2015 – February 2018*

Development of a civil aviation flight tracking software solution.

- Implemented custom TCP/IP-based data exchanging protocols
- Developed a Qt-based desktop application for storing and replaying network traffic describing status of air space in a receiver zone (aircrafts, their tracks, positions, velocities etc.) GitHub link
- Implemented an embedded HTTP server with Boost.Asio for serving Web-UI and REST API endpoints

Education

Tomsk State University of Control Systems and Radioelectronics	**Tomsk, Russian Federation**
B.S. Computer Engineering (**GPA:** 4.38/5.0)	*September 2015 – July 2019*

Language proficiency

English	*B2-C1; reading/writing, discussing tech-related matters both verbally and in text*
Russian	*Native speaker*