Sergei Shapka

Personal Information:

Gender: Male
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Objective:

C/C++ Developer (Linux, FreeBSD, Solaris, Android NDK)

Education:

2002-2008: **State University of Information and Communication Technologies**
        Faculty: Information security
        Specialty: Protection of computers and computer networks

        Kiev, Ukraine

1993-1998: **Kiev College of Communication**
        Faculty: Automatic telecommunication
        Specialty: Automatic telecommunication

        Kiev, Ukraine

Work Experience:

From 05/2013 until now: [*confidential*]
- Position:
  - C++ developer (Linux, FreeBSD)
- Projects:
  - Development and supporting web server for hotel reservations, porting to Linux (C++11/14, STL, POSIX, LibXml2, cURL, MySQL, XSLT, JS/jQuery, CMake)

06/2012 - 05/2013: **Full Remote Time** (http://wifi-free.com)
- Position:
  - Senior C/C++ developer (cross-platform)
- Projects:
  - VPN provider (Qt 4/5, POSIX)

01/2012 - 05/2012: **Kiev Software Factory, Ltd** (http://ksfltd.com)
- Position:
  - Senior C/C++ developer (Linux, Solaris)
- Projects:
  - "Document Server for Internet" (porting from Solaris x86 to Linux x64, write OS depended code, implement unit tests)

01/2011 - 01/2012: **ExMedia Soft** (http://exmediasoft.com)
- Position:
  - Senior C/C++ developer (FreeBSD, Linux)
- Projects:
  - Administrative console for DB (Qt, Boost, MySQL), reports
  - CGI scripts (ANSI C99, STL, cURL, PCRE, OpenSSL, MySQL)
  - xLib (https://bitbucket.org/skynowa/xlib/overview)

09/2007 - 11/2010: **UNIX Group** (http://www.yug.com.ua)
- Position:
  - C++ developer (Windows, Linux)
- Projects:
  - Accounting system of eToken Aladdin keys, PKCS#11
  - Cross-platform library xLib (Windows, Linux)
  - IIS authentication filter
  - POP3/SMTP client

07/2001 - 08/2007: **TK-Textile**
- Position:
  - C++/VB/JS/HTML/CSS developer
  - DevOps

Professional Skills:

- C/C++ (C99, C++03/11/14)
- OOP, OOD principles
- Cross-platform development
- Knowledge of STL, POSIX, BSD Sockets
- Knowledge of internet protocols (TCP, UDP, HTTP, POP3, SMTP, CGI, SSH2)
- Web services (SOAP, REST)
- Message brokers (RabbitMQ)
- Libraries Boost (Asio, Thread), libevent, Qt, cURL, OpenSSL
- Experience with IPC, multithreading, daemons, signals, networking, asynchronous communications, filesystem events
- Skills with databases (SQLite, MySQL)
- Skills in working with PKCS #11, encryption algorithms OpenSSL (RSA, AES, Blowfish)
- Experience in porting applications 32bit/64bit, Unix/Windows platforms
- Development using Qt 4/5 (core, QML/widgets, database, network, IPC, MT, serial ports)
- CUDA (thrust)
- Android NDK
- Unit testing (GTest, CppTest) and TDD
- Experience with build (Make, CMake, CPack, GCC, MinGW, Clang, YAML, pkg-config), debugging toolchains (GDB, DDD, gprof)
- Static code analyzers (Valgrind, Cppcheck, Dr. Memory, PVS-Studio)
- Distribution packages (RPM, DEB, NSIS, archive, OSX bundle)
- HTML, CSS, JS, XML, XPath, JSON, XSLT
- Virtualization software (VMware, Virtual Box)
- Bug tracking systems (Jira, Redmine, Assembla, Bugzilla)
- Familiarity with version control systems (Git, SVN, Mercurial)
- Python, Perl, PHP, Bash scripting
- Experience with Unix environments: FreeBSD, Red Hat/CentOS, Debian/Ubuntu, Solaris, Android
- Experience in writing development support tools such as parsers, profilers, automated testing frameworks etc

Tools: VS Code, Eclipse, CodeLite, Vim, Sublime
Qt tools: QtCreator, Monkey Studio IDE

10+ years of commercial development experience

Open source projects:

xLib (https://bitbucket.org/skynowa/xlib/overview)

Platforms:
- Windows, Linux, FreeBSD, Android, Mac OS X (partial support)

Implements:
- core (strings. datetime, utils)
- cryptography (OpenSSL, CRC, random, GUIDs, PKCS#11)
- databases (MySQL)
- debugging (exception, profiling, crash report)
- file system (file, directory, volume, dynamic link library, events)
- logging (file, system log, tracer)
- network (TCP, UDP, DNS, HTTP, POP3, SMTP, CGI, SSH2)
- patterns
- MT and IPC (atomics, mutex, semaphore, event, condition variable, thread, pool thread, process, signal)
- unit testing (test manager, unit tests)

Foreign Languages:

English: Intermediate level

Personal Skills:

- responsible and hard-working person
- good decision making, administrative
- excellent time-management skills
- coaching and supervisory skills
- excellent estimation skills
- team player
- result orientation
- client orientation
- communication and interpersonal skills
- ability to work on one's own at some phases of the software development cycle
- ability to work at the most phases of software analysis and programming
- self-management skills
- experience in reviewing code

Expectations:

- Nice project management
- Not much overtime (<2 weeks per year)
- Quiet place to work
- Stable workload, clear and descriptive tasks
- Good coding practices, well-defined dev process
- New feature development wanted, no only maintenance tasks
- Possibility to work remotely eventually
- Begin of a work day >10:00 AM