tomas**kislan**

c++ developer

contact

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languages

slovak mother tongue
english fluency

programming

C++, Boost, Qt & QML
NodeJS & Javascript
Python
PL/SQL

experience

2010 - Now	**Erste Group IT SK**	Bratislava, Slovakia

Solutions Developer

Development of new generation transfer system, pluggable into the existing middleware, with heavy usage of asynchronous and multi-threaded programming paradigm. Created multi-agent system, with custom developed network TCP communication to allow best throughput. Huge emphasis placed on extensibility, thus API is provided to allow fast development cycles of new features.

- Deployment and maintenance through multiple different operating systems, such as Linux, Windows, OS X, HP-UX, AIX, Solaris.
- Experience with multiple 3rd party libraries, Boost (asio/thread), Oracle Call Interface, etc.
- Advanced usage of GNU tool chain, valgrind, including HP-UX's gdb, and AIX dbx debuggers.
- Minor development in python and shell, mainly to support testing, and PL/SQL to integrate into the middleware.
- Mentoring summer interns, and helping them with C++ comprehension.

2010	**SOOP**	Bratislava, Slovakia

Summer Intern

Comparing and creating test cases for multiple compression libraries against multiple file types, for archiving purposes.

technical skills

C++	**Deep specialization, and strong preference of this programming language**	3 years

Cross-platform application development, utilization of various 3rd party libraries, e.g. Boost, Qt/QML, OpenSSL, OCI etc. Ability to maintain and support complex applications through various different platforms. Practical usage of C++11 standard in personal applications.

NodeJS/JS	**Personal, hobby development**	1 year

Ability to create complex back-end applications, with the advantage of sharing the same code base with the client side. Fancy the asynchronous approach to event processing.

Python	**Basic knowledge**	2 years

Used to create testing scripts, to assist in development of more complex C++ applications. Proved useful in prototyping several features.

PL/SQL	**Advanced usage in the enterprise**	3 years

Basic knowledge of Oracle database internal processes, to provide the best performance. Used to implement utility packages to handle integration, and to maintain and monitor existing software.

UML	**Light usage, to better comprehend processes**

Used both before and after the development cycle, to better understand and present the architecture and processes in the application.

leadership skills

2013-2014   **Internship mentor**
Mentoring two interns (in separate timelines), in creating the new components to be later used in the existing transfer adapter, running in the production environment. Delegating and overseeing work being done, while providing feedback and advices.

education

2011 - 2014   **Masters** of Science   Comenius University, Bratislava
Specialization in Applied Informatics
Implementation of Offline Transfer System pluggable into batch middleware?
Both masters thesis and work project. Fast performant transfer adapter, very similar to ETL tools.

2008 - 2011   **Bachelor** of Science   Slovak University of Technology, Bratislava
Specialization in Informatics

interests

professional: graphical application development, android fan, raspberry pi **personal:** volleyball, biking, fitness, books