

Senior software developer/architect

Sergey Akimov

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Professional skills

Summary:	<ul style="list-style-type: none">✓ More than 12 years of experience in Software development including development of architecture and design software.✓ Strong skills in Object-Oriented Architecture Design (OOAD) and Object Oriented Programming (OOP) with involvement in all phases of Software Development Life Cycle (SDLC).✓ Programming languages: C++, C#, C, Python, Ruby, JavaScript, XML.✓ Knowledge subversion systems (SVN, CVS, GIT).✓ Knowledge of modern software development methodologies (SCRUM, Agile, TDD).✓ Strong Skills in Win32 API, Visual Studio (1.5 – 2013), GCC, STL, ATL, BOOST, .NET Framework, MFC, COM, wxWidgets, QT, WPF, embedded, posix.✓ Deep knowledge debugging technology, usage WinDbg, softice , gdb , fast solving complicated architectural and system problem.✓ Strong Skills in using Kernel objects like shared-memory, mutex, events and multithread programming.✓ Strong Skills in Programming with TCP/IP Protocol, HTTP, socket programming including industrial protocols.✓ Excellent Experience in Automated systems of technological processes (DCS , OPC standard).✓ Working experience with RTOSes (DOS, QNX, LynxOS, WinCE).✓ Strong Skills in using MS SQL Server 2000, MySQL.

Career history

<p>01.11.2012 – now Company: Satprof The Netherlands.</p>	<p>Position: Senior Software Developer</p> <p>Responsibilities: Development basic product of company. Basic product is complex sytem of several modules which provide support of extended functionality for the PayTV system.</p> <p>Environment: Visual Studio 2012, Python, C#, GIT.</p>
<p>15.10.2011 - 31.10.2012 Company: ExSet The Netherlands.</p>	<p>Position: Team Lead of smart card software development department.</p> <p>Responsibilities: Statement of tasks and execution control. Analyzing the customer requirements, design and implementation software. Develop architecture and monitoring of implementation.</p> <p>Achievements: Under my leadership was developed the testing system for Smart Card for our department and several another deps of our company. Smart card project has been successfully completed on time and was recognized to be one of the best company product.</p> <p>Environment: Ruby, C#, C ,JAR Studio, Visual Studio 2010, Ruby.</p>
<p>01.02.2011 – 07.10.2011 Company: Freescale Semiconductor www.freescale.com</p>	<p>Position: Team Lead. CodeWarrior IDE for Games (Nintendo) team.</p> <p>Responsibilities : ·Building the team from ground up, going through training, setting up DevKits, etc. Team’s responsibility is IDE and debugger maintenance. Heavy C++, COM, Win32, using CodeWarrior for PC as development platform.</p> <p>Guiding the team to consistently provide four major releases per year. Providing advice and code reviews, coordinating with other teams (Compiler and Linker in Texas, Support in Japan), writing tools, over viewing build process and testing.</p>
<p>23.02.2009 - 01.02.2011 Company: Freescale Semiconductor www.freescale.com</p>	<p>Position : Lead senior developer.</p> <p>Responsibilities : Maintenace lagacy code (bug fixing, adding features) to the CodeWarrior IDE and the debugger for Nintendo(Wii, Dsi).</p> <p>Achievements: Fixed over one hundred bugs including architectural bugs relating breakpoints and managment source files within the project. In addition: Fixed several bugs into the ARM and PPC disassemblers . Added support for searching within DBCS strings for Boiler-Moor algorithm. Found a bug in core of the Win7 GUI.</p> <p>Environment: CodeWarrior, ATL, MFC, STL, COM , WinDbg, CVS.</p>

<p>23.02.2008 – now Company: PERCO http://www.perco.ru</p>	<p>Realm : Video surveillance.</p> <p>Position : Senior developer.</p> <p>Responsibilities : Analyzing the requirements, design and implementation , integrate the developed application to the perco-s20 system through COM interfaces. All phases SDLC.</p> <p>Projects:</p> <p>Developed several hight-level drivers for different kind of IP cameras (Mobotix , Vivitec, Dlink, Vocord, Axis, Kikoon). Responsibilites: all Environment :Visual C 2005 , ATL , STL, BOOST , COM ,DCOM , HTTP, RTP, RTCP, private TCP protocols, DirectShow filters.</p> <p>Optimized decoding algorithm for media conversion Environment : VisualC, asm , MMX , SSE.</p> <p>Written several decoders for audio\video media. Environment: IPP(intel), MxPEG(mobotix).</p>
<p>23.02.2004 – 23.02.2008 Company: PromAutomation http://www.pa.ru</p>	<p>Realm: APCS</p> <p>Position: Senior Developer.</p> <p>Responsibilities: Analyzing the requirements, design and implementation. . All phases SDLC.</p> <p>Projects :</p> <p>Ported system libraries written for DOS under QNX Description : Deep refactoring core embedded library for microcontrollers.</p> <p>Developed a lot of OPC*(COM) servers for different data sources (devices, databases, transport protocols). (RS232, RS485, Modbus, MySQL, MSSQL2000, IEC 60870-5-104). Customers: vodokanal, Ford, Krasnoyarskaya Dam (hydro power station),Sayano-Shushenskaya HPP, Chirkeiskaya Dam.</p> <p>Environment : VisualC 6, ATL , STL, COM , TSQL , OPC specification.</p> <p>Support and adding new features to IDE for FBD (Function block diagram).</p> <p>Ported OPC servers from WinXP to Windows CE 4.0 5.0</p> <p>Developed several mathematical models with GUI for hydro turbines and group of hydro turbines.</p>

	<p>Environment : VisualC 6, MFC , DirectDraw</p> <p>Testing , debugging. Environment : GCC , QCC , DDD , Eclipse , GDB ,Posix threads, Posix 1.b (realtime), IDA Pro.</p> <p>Developed a lot of auxiliary applications for my work. Debugging , profiling , reverse engineering too.</p>
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Education

1985 – 1990 Leningrad marine college.	Radio engineering faculty.
1990 - 1994 Admiral Makarov state maritime academy.	Radio engineering faculty. Education not closed.
2000 Courses Visual C++ Oracle.	Course of Programming for windows with Visual C++

Sertifications

[Brainbench.com](http://brainbench.com) : Certified Expert C++ (3.97)
Brainbench.com : Common Programming (4.05)

Additional

I have my own projects, which you can to see by address www.akslab.com

Languages

English.
Russian.

Additional information

Marital status: married (daughter) .
Good communication skills.

Contacts

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