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Keywords

C, C++, JAVA, J2EE, STL, MFC, COM, DCOM, COM+, IDL, ATL, SQL, FORTRAN, ODBC, .NET, VB, ActiveX, Win32 API, MS SQL Server, SOAP, ASP, JScript, VB Script, OpenGL, XML, DOM, SAX, MSMQ, ISAPI, OLE DB, ADO, ODS, dbLibrary, POSIX, MATLAB, BLAS, LAPACK, Intel MKL, Differential Equations, Fuzzy Sets, T_EX, L^AT_EX

Summary of qualifications

- Over 15 years experience in developing commercial software products
- Author of CVM class library, www.cvmlib.com, encapsulating the concepts of vector, matrix and square matrix of real and complex numbers
- Object-oriented programming (excellent C/C++ and STL skills) experience – 12 years
- Java 2, J2EE, SOAP, IBM WebSphere – 2 years
- Strong Windows programming skills, Win16, Win32 API, MFC, threads – 12 years
- Components design and implementation, COM/DCOM/COM+, ATL, ActiveX – 5 years
- Web-based applications and components, IIS, ISAPI, XML, SQLXML – 3 years
- Client-server applications design and development using MS SQL Server (ODS, dbLibrary, ODBC, OLE DB, ADO) – 7 years
- Numerical algorithms development using FORTRAN, C and C++ languages – 15 years
- Complex data presentation using OpenGL, 3D and 2D graphics programming – 4 years
- GUI, front-end software, MS Visual Basic – 6 years
- POSIX threads, code porting from Linux to Win32 platform – 3 years

Professional experience

eBay, Inc., (an online auction company, www.ebay.com)
San Jose, CA. April 2003 - present
Staff Software Engineer

eBay Developers Program is a new strategic direction of eBay's business allowing third party developers to create their own applications using API provided by eBay. My responsibilities include design and implementation of server side software components and services. Environment includes IBM WebSphere 5.1, J2EE, SOAP, Java 2, MS Visual Studio .NET, XML, ISAPI.

Ortega InfoSystems, Inc., (a security software startup company, www.ortegainfo.com)
Santa Clara, CA. 2002 - April 2003
Senior Software Engineer

FacilitySm@rt™ is a web-based software package allowing integration of heterogeneous security systems, software and hardware of an enterprise. I was responsible for core development of server-side modules, database interfaces and parts of web-based client. Environment included MS Visual C++, MS Visual Studio .NET, MFC, COM, DCOM, ActiveX, ASP, JScript, VBScript, ADO, MS SQL Server 2000, XML, ISAPI.

Signature Bioscience, Inc., (a drug discovery startup company, www.signaturebio.com)
San Francisco, CA. 2000 - 2002
Senior Software Engineer

WaveScreen™ is a suite of software and hardware products which enables acquisition and analysis of PhenoDynamic data — the new drug discovery technology. My responsibilities were including design and implementation of numerical algorithms processing and storing experimental data in a database, and design and development of the Material Interaction Analysis software module providing GUI for server-side computational sub-routines. Environment includes MS Visual C++, MS Visual Studio .NET, Compaq Visual Fortran, Rational Studio, MS SQL Server 2000, XML, ISAPI, MSMQ.

Metabyte Networks, Inc., (a personal TV technology company, www.metabyte.com)
Fremont, CA. 2000
Software Engineer

Member of R&D team designed and developed the interactive television system ([MbTV](#)). My responsibilities were fuzzy logic algorithm development, set-top box embedded programming and porting of C and C++ code from Linux to Win32 platform including POSIX threads library and Berkeley-style sockets related code. Environment: GNU C/C++, MS Visual C++, Linux, Win32.

A number of Russian software companies
Russia. 1991 - 2000
Senior Software Developer, Software Architect, Team Manager

Numerous projects completed include workflow systems, banking software and software development tools. Along with team management my responsibilities included back-end and front-end design and implementation of different software components. Environment included different versions of MS Visual C++, MS SQL Server, MFC, ODBC, COM, DCOM, COM+, XML, Rational Software etc.

Research Computing Center of Moscow State University, www.srcc.msu.su
Moscow, Russia. 1988-1991
Numerical Algorithms Developer

Designed and programmed in FORTRAN 12 algorithms for solving stiff systems of differential equations. These subroutines are now part of the Numerical Analysis Library, which is the main product of the Center.

Education

M.S. in Mathematics, Moscow State University, Moscow, Russia, 1991
Ph.D. in Mathematics, Udmurt State University, Izhevsk, Russia, 1998

Postgraduate work in the Department of Differential Equations, developing numerical algorithms (FORTRAN, C++ and MATLAB). Author of known CVM class library encapsulating the concepts of vector and different kinds of matrices including square, band, symmetric and hermitian ones, in Euclidean space of real and complex numbers. This library utilizes non-trivial fast memory management and intensively uses [Intel Math Kernel Library](#) and [LAPACK](#) library.

All the references are available upon request.