

Resume for Sergey Zubkov

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Objective:

I would like to apply my education and expertise in a driven software development team working on challenging projects, anywhere from scientific or financial computation-heavy software to industrial hard real-time applications.

Skills and tools:

Programming languages: C, C++, STL, Core Java, Java/Swing, awk, sed, sh, x86 assembly, SQL (Oracle, Postgress) Pro*C, JDBC. Past experience with: tcl/tk, perl, non-x86 assembly (sparc, ppc, mips, alpha), J, APL, Forth, Fortran, Delphi, Scheme, Caml, MySQL.

Operating systems: Linux, LynxOS, Sun Solaris Past experience with: SGI Irix, FreeBSD, SunOS, Windows 98, Windows 2000, Windows XP.

Hardware: Intel x86, x86-based SBC and PC104 systems. Past experience with: SGI, Motorola MPC, MCP, VMPC, MVME, CVME, MBX, and other CPCI boards, Intel XScale.

Internet technologies: Involved in internet-related part-time projects and consulting since 1995. TCP/IP networking, Web-technologies (SGML, HTML, CSS, Javascript, JSP)

Work experience:

Software Developer at [Caseta Technologies, Inc.](#), Long Island City NY. *October 2004 - current*

Accomplishments: Developed a number of key components of electronic toll collection software. Migrated the largest toll authority in the world to a new hardware platform.

Skills: Maintenance and development of real-time data-intensive applications in C++ and Java in multiplatform environment.

Postdoctoral Researcher at Department of Biochemistry and Cell Biology, [SUNY Stony Brook](#), Stony Brook NY. *November 2002 - September 2004*

Accomplishments: Solved NMR structures of a 142-residue protein, 32-res. membrane protein and 8-residue neuropeptide.

Skills: Development of data processing, computational, and statistical software in tcl/tk, awk, and perl on SGI IRIX.

Software Developer at [Auriga, Inc.](#), Moscow, Russia, contracting at [Broadvision, Inc.](#), Redwood City, CA. *February 2002 - September 2002*

Accomplishments: Implemented fixes and enhancements in Broadvision One-to-One Content Manager and Enterprise Server products.

Skills: Large project (over 10,000 classes) development in C++/MFC in Microsoft Windows and in C++ in multiplatform UNIX environment

Continuation Engineer at [LynuxWorks, Inc.](#), San Jose, CA. *November 2000 - January 2002*

Accomplishments: Implemented fixes and enhancements in Lynx Real Time OS and BlueCat Embedded Linux OS. Built and tested new OS patches and service packs.

Skills: Kernel-level system software engineering using C, C++, and multiplatform assembly languages. RCS and SCCS source control. Comprehensive software and system testing.

Senior Teacher of Computer Science at [Department of Material Science](#), Moscow State University, Moscow, Russia. *March 2000 - May 2002*: part time

Accomplishments: Developed a new CS and computer programming course. Taught 1st and 2nd year students.

Skills: Teaching of computer programming and algorithms using C, C++, Java, Delphi, perl.

Software Developer at The Best Applied NMR, Moscow, Russia. *June 1998 - November 2000*: part time

Accomplishments: Designed and developed data processing and GUI software currently used in the company.

Skills: Application development in C and Java for Linux and SGI IRIX platforms. Consulting network administration.

Writer and Editor at [DMK Press](#), Moscow, Russia. *April 1998 - November 2000*: part time

Accomplishments: Reviewed, edited, and wrote books on software development and UNIX-related topics.

Skills: Technical writing, knowledge of UNIX, C++, Java, and theory of algorithms

Computer science publications:

?? S. V. Zubkov, Assembler for DOS, Windows, and UNIX (in Russian, 1999, 640 pages, ISBN 5-89818-019-2)

?? S. V. Zubkov. Assembler for DOS, Windows, and UNIX 2nd edition (in Russian, 2000, 608 pages, ISBN 5-89818-082-6, 5-94074-003-0)

?? S. V. Zubkov. Assembler for DOS, Windows, and UNIX 3rd edition (in Russian, 2004, 608 pages, ISBN 5-94074-259-9)

?? S. V. Zubkov. Linux: Russian versions (in Russian, 2000, 346 pages, ISBN 5-94074-013-8)

?? Editor of: K. Petzke, Linux: understanding and application (Translated into Russian), 2000, 576 pages, ISBN-5-93700-004-8

?? Editor of: S. Meyers, Effective C++ (Translated into Russian), 2000. 240 pages, ISBN 5-93700-006-4

Also an author of 10 scientific publications in chemistry and biochemistry.

Education:

Moscow State University, Department of Chemistry PhD in Organic Chemistry, June 2002

Moscow State University, Department of Material Science M.S., with honors, in Chemistry of Materials, January 1998 (GPA 3.94/4.0)

Certifications:

Brainbench Master certificates (Brainbench ID [5471](#)):

Assembly language, C, C++ Fundamentals, C++, Java 2 GUI, perl, Unix Korn shell scripting, Bash shell scripting, Unix programming, Linux programming, Programmer/Analyst Aptitude, Unix administration, Information technology, Web development concepts, HTML 4.0.

Brainbench Job Role/BCIP certificates: Computer Programmer, C++ Programmer, Java Programmer, Linux system administrator, Unix system administrator, Web developer

Spoken languages: Russian, English

Visa status: Authorized to work in USA for the current employer (H1b)

This resume is available online at <http://cubbi.com/resume.html>

9/26/2006