Magdeburger Str. 4, 78467 Konstanz, Germany +49(0)173-329-53-85 linux62i@yahoo.com

Vladislav Belogrudov

Experienced Information Technology professional seeks a challenging position as senior software engineer (development, consulting, support) with emphasize in C++ programming in Linux/UNIX environment

SUMMARY OF QUALIFICATIONS

- 5,5 years of experience working closely with Linux/UNIX systems, programming in C++.
- 2,5 year participating in research and development in industrial robotics.
- 3 years as professional problem solver - support of leading Business Support and Control System for GSM and other telecommunication markets (debugging, configuration and tuning of billing components, BSCS from 5.10 to 7.00).
- Good inter-communicational skills - 5 years within international teams and projects.
- Creative, eager to learn new things, to do challenging tasks; can work independently and take responsibilities.

COMPUTER SKILLS

Programming

C, C++, TCL/TK, GNU Make, various Unix compilers and debuggers, POSIX threads, Sockets, System V IPC, Bash, OpenGL, Oracle Embedded SQL, UML, Design Patterns, Perl, CORBA, Java.

Applications

Various components of BSCS 5.10-7.00 (Business Support and Control System) - rating chain, billing and online modules (highly experienced with Bill Cycle Handler of BSCS), ClearCase, ClearQuest, CMVC, CVS, Oracle, many Unix/Linux applications and tools, CAD/CAM System "RobCAD", LaTeX 2_ε.

EDUCATION

October 1, 1998 - February 28, 2001

Institute for Process Control and Robotics, University of Karlsruhe, Germany
Graduate and postgraduate student. Research and development in area of industrial robotics.

September 1, 1993 - October 15, 1999

Saint Petersburg State University of Aerospace Instrumentation, Russia
Diploma Engineer in Robotics, Control Systems for Robots and Complex Robot Cells. Key courses: electrical engineering, applied mechanics, design and modeling of robot systems and microprocessor control systems.

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PROFESSIONAL EXPERIENCE

exorbyte GmbH, Konstanz, Germany January 1, 2004 - Present
Senior Software Developer for Approximate Search Technologies

- Developed, debugged and supported MatchBox and MatchMaker products that implement approximate search and matching technology for structured data providing exceptional matching quality and ultra-fast approximate multi-field matching.
- Ported MatchBox and MatchMaker suite to Linux and Sun Solaris Platforms.
- Designed and developed project build system in TCL with support of hierarchical dependencies check and compilation of Java and C++ projects.
- Configured and administered Intranet, Linux and Solaris workstations, NFS, YP(NIS), Name Service, other system and network services.
- Designed and implemented backup solution (full and incremental backups, automated remote upload of files via SSH).
- Programmed in C, C++ and TCL/TK.

SchlumbergerSema, Germany March 1, 2001 - December 31, 2003
(in past Sema-Telecoms, nowadays LHS, situated near Frankfurt am Main),
Software Engineer at Release Support Center for Billing Systems Solutions.

- Second and third level support of Business Support and Control System (BSCS), from version 5.10 to 7.00.
- Debugged, tuned and customized billing kernel of BSCS.
- Carried out telephone and email support of national (German) and foreign GSM operators.
- Solved many severe problems of GSM operators, fast and reliably.
- Ported BSCS processing chain to HP Itanium 2 platform.
- Worked with many UNIX operating systems, compilers, debuggers and tools.
- Programmed in C and C++, Oracle Embedded SQL.

University of Karlsruhe, Germany October 1, 1998 - February 28, 2001
Graduate and postgraduate student at Institute for Process control and Robotics.

- Simulated work of an industrial robot with help of CAD/CAM system "RobCAD".
- Modeled workcells and connected simulation software with the control system of the robot.
- Worked closely with SGI IRIX and Linux Systems for the design and implementation of a multi-agent control system for robot cells (in C++). Used CORBA for interconnection of components. This work is fully described in "Rembold, Derk: Kommisioniersystem mit automatischer Zuordnung von Greifwerkzeugen für die flexible Handhabung von Objekten. CGA-Verlag, 2001. ISBN 3-89863-028-5".
- Programmed user interfaces with TCL/TK.

- Visualized the robot cell and programmed other applications with OpenGL.
- Integrated laser scanner into the robot cell.
- Worked on strategies of manipulation of unknown objects with different types of grippers.
- Was involved into the research project DIAMOND (Distributed Architecture for Monitoring and Diagnosis, "http://wwwipr.ira.uka.de/ kamara/diamond") that was founded by European Commission. Project was related with diagnostics of robots.
- Implemented part of a distributed multi-agent architecture in Java (database interface for DIAMOND).
- Got experience in Linux system administration and basic network configuration.

ATTENDED COURSES

- Oracle SQL Optimization, by Oracle
- C++ Advanced Course, by Kölsch & Altman, Software & Management Consulting GmbH
- Rational Purify for Unix, by Rational

PUBLICATIONS

- D. Rembold, V. Belogroudov, T. Längle, and H. Wörn. Automatic selection of grippers for object handling. In *AMS 2000*, Karlsruhe, Germany, November 2000.
- D. Rembold, V. Belogroudov, and H. Wörn. Object turning for bar code search. In *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, Kagawa University, Takasamatsu, Japan, November 2000.

LANGUAGES

English - fluent

German - good

Russian - native

HOBBIES

Linux, robotics, many team sport games, auto mechanics. Additional information can be found in the Internet at **http://www.geocities.com/linux62i**