Jon Ludwig

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PROFILE

More than 9 years of experience with a variety of languages and environments. Proficient in analyzing problems and implementing solutions using high-level and low-level programming languages and design patterns. Effective teamwork and collaboration skills.

Special focus on High Performance Computer, Operating Systems, Embedded Systems, Distributed Systems, Artificial Intelligence, Computer Vision, and Image Processing.

EXPERIENCE

Software Development Engineer, Microsoft, Redmond, WA 2008
Designed and developed a platform for aggregating information from client machines, generating content server-side, and deploying updates to clients using .NET 3.0 technologies. Worked in small and large teams with deliverables at regular intervals, including presenting and conducting a demo of the project.

Research Assistant, Applied Physics Lab, Johns Hopkins University, Laurel, MD 2007
Worked with a chief scientist of the Command and Control department to develop a theoretical foundation for command and control models and researched computation technologies related to performing command and control. Worked in a large organization with strict security rules.

Software Engineer, Critical Link, Syracuse, NY 2007
Developed Linux device drivers for a custom PowerPC-based embedded platform. Ported and modified JTAG configuration software to Linux. Consulted on using Linux in an embedded product.

Software Engineer, InfiMed, Inc, Liverpool, NY 2005
Worked on a team to repair bugs and perform testing in a critical software project. Used Visual C++ and MFC in the Visual Studio 6.0 IDE. Built a utility to aid in automated testing. Also optimized the build process to achieve greater efficiency.

EDUCATION

Rochester Institute of Technology, Rochester, NY B.S. Computer Science, GPA 3.3
Rochester Institute of Technology, Rochester, NY M.S. Computer Science, GPA 3.7, Fall 2008

SKILLS

Hardware Platforms x86, AMD64/Intel 64, Motorola 68k, Microchip PIC18F, Freescale e300, PowerPC, IBM CBE, SPARC, MIPS.
Languages C & C++ (ANSI, UNIX/Linux/BSD, Windows, VxWorks), Java 1.5, Assembly (Motorola 68k, PIC, IA-32, Intel 64, AMD64, MIPS), Visual C++, MatLab, Visual Basic, Visual C#.
Operating Systems Linux 2.6, Microsoft Windows, Sun Solaris 9, VxWorks, Mac OS X.
Programming Tools GNU tools, Eclipse, Visual Studio 6.0 & .NET, JDK, CVS, Subversion, KDevelop, NetBeans, Tornado, XCode.