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KEVIN E. HARRIS

QUALIFICATIONS:

- Programming Experience: Java, Perl, C, C++, PHP, SQL, VHDL, Ada, JavaScript, HTML, Assembly
- Operating Systems: Windows XP, Vista, UNIX, Linux, Solaris
- Excellent software engineering and software design skills
- Strong understanding of computer architecture, object-oriented programming, abstraction, regular expressions, TCP/IP communication, multi-threaded programming, and distributed system design
- Experience in microcontroller programming with the Freescale HC11 and BASIC Stamp
- Basic electronics skills including reading schematics, soldering, troubleshooting, designing simple analog and digital circuits, designing printed circuit board layouts, and circuit theory
- Experience with the Microsoft Excel, BASH Shell, MySQL, Matlab, Xilinx ISE, NI LabVIEW, Cron, OrCAD PSpice, ExpressPCB, SSH, SFTP, SCP, GCC, MS Visual Studio, CVS, Subversion, VI, Eclipse

WORK EXPERIENCE:

Stanley Associates, Inc.   March 2008-Present   Norman, OK
Software Engineer – Journeyman

- Served on system re-architecture team to identify and solve architectural issues related to automated Ada-to-Java conversion of Advanced Field Artillery Tactical Data System (AFATDS) backend
- Integrated open source CD/DVD burning libraries cdrkit and growisofs into AFATDS using Java, Ada, and Perl to allow backing up of databases in Windows and Solaris
- Added ability to import counterfire report spreadsheets into Effects Management Tools (EMT) using Apache Excel Java libraries
- Architected and co-wrote a utility in Perl to detect, decompress, and decode MIL-STD 6017, R5, USMTF, and SOAP messages transmitted via TCP/IP

RealMetrics, LLC   December 2006 - July 2007   Telecommuting
Software Engineer

- Maintained and developed Java/JSP/XML/CSS infrastructure to support www.realmetrics.com
- Worked extensively with large-scale MySQL database for data extraction and analysis
- Responsible for the maintenance and upkeep of over 50 Linux-based test server

Hewlett-Packard   January 2006 - August 2006   Richardson, TX
HPSL Manageability Firmware Test Co-op

- Designed and implemented test scripts for the HP Integrity NonStop Superdome server line
- Co-developed test infrastructure libraries in Perl to support testing for future platforms
- Co-architected and maintained MySQL database for test result storage
- Wrote external documentation for test infrastructure and test technology

University of Oklahoma   August 2003 – December 2005   Norman, OK
Student IT Technician

- Provided field technical support to College of Arts & Sciences faculty and staff

EDUCATION:

University of Oklahoma   August 2003 - December 2008   Norman, OK
B.S. Computer Engineering

- 3.71 Cumulative GPA with Special Distinction

Professional Development Courses

- Software Engineering of Distributed Systems – University of Colorado – Fall 2009
- Programming Windows and Smart Client Applications with .NET – Washington D.C. – July 2009

EXTRACURRICULAR:

- Wrote tutorial on building homemade wind generators (over 180,000 page views)
- Other personal projects: Java massively distributed web crawler/sentiment extraction engine, webcam barcode scanner, analog sequencer music synthesizer, Java3D Roguelike game
- Avid musician who enjoys playing and recording the cello, guitar and keyboard