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Objective

I am seeking a challenging position that allows me to use technology to innovate, develop new skills, and provide creative solutions to difficult problems.

Summary

- Over 6 years experience in software development in a variety of business and technical environments.
- Experience in the full development life cycle including requirements gathering, integration testing, and documentation.
- Knowledgeable in software design patterns and methods for building reusable, scalable, maintainable, and user-friendly applications.
- Interests in software engineering processes, automation, usability, information visualization, artificial intelligence.
- Regular member of the Omaha Java User Group, Omaha Dynamic Languages User Group, and others.
- Fast learner and extremely persistent and methodical in matters of research, problem solving, and debugging.
- Have a firm grasp of both abstract concepts as well as practical and creative applications of them.
- Continually engaged in personal and recreational technology projects and ideas.

Skills: Languages

Formal Experience in	Java, C/C++, PHP, Ruby/Ruby on Rails, Flex, VB, SQL, X/HTML, XML, XSLT, Javascript, CSS, Shell scripting, VBScript
Familiar with	C#, ASM, Groovy

Skills: Frameworks, Tools, and Environments

Java	J2EE, J2ME, Spring, iBATIS, JUnit, Cactus, Swing, JFreeChart, iText
PHP	CodeIgniter, DMZ
Other	Rails, Prototype Javascript framework, jQuery Javascript framework
Development Environments	Eclipse, Visual Studio .NET 2005, Flex Builder
Source Control	Subversion, CVS, Git, Rational ClearCase
Web/Application Servers	Apache, Tomcat, JBoss, Mongrel
Operating Systems	Windows, MacOSX, Ubuntu, CentOS.
Databases	MySQL, PostgreSQL
Applications	Adobe Photoshop, Adobe Flash, InstallShield, Omnigraffle

Education

M.S. Computer Science (expected 2011), Artificial Intelligence specialization - University of Nebraska at Omaha. GPA 3.92

B.S. Computer Science - Bradley University, Peoria, IL. 2006. GPA 3.73

A.A.S. Microcomputer Programming - Parkland College, Champaign, IL. 2001. GPA 3.37

Professional Experience

Software Engineer - SKAR Advertising

A full-service advertising and design agency.

May 2009 - Present

The sole software engineer on staff, responsible for all software projects

Software Engineer - Sojern, Inc.

July 2008 - November 2008

A technology startup company that provides destination information and advertising on airline boarding passes.

Designed and wrote enhancements and tests to the flagship product and developed internal services and applications.

- Worked on a complex content delivery system for supplying destination and ad content on boarding passes for multiple airlines using Ruby on Rails.
- Worked on creating processes and internal applications for automated Selenium test generation and managing business rules.

Technical Consultant - Bass and Associates

October 2007 - July 2008

An IT consulting firm.

Quickly ramped up on two short-term contracts to provide software development and consulting to different clients. Conducted requirements gathering, code reviews, and mentored junior developers.

- Created a multi-threaded, memory-efficient J2ME application to perform serial communications from Palm OS devices and cellular phones
- Added features and made enhancements to a Java Swing application to handle registrations for domestic and international elections.
- Developed a method for generating automated integration test code and use case documentation.
- Developed a business strategy that will solve the major resource management issues as well as introduce a new stream of revenue and provide a unique marketing benefit for the company.

Software Engineer - Raytheon Company

June, 2007 - October, 2007

A Department of Defense contractor.

Made enhancements and bug fixes to large, 780,000 LOC suite of applications.

- Developed multi-threaded back-end capabilities for a United States Air Force contract using J2EE technologies.
- Designed an improved process to deliver more helpful development documentation without introducing any extra daily workload.

Software Engineer - 21st Century Systems, Inc.

June, 2006 - June, 2007

A Department of Defense contractor.

Developed software for two Department of Defense contracts using J2EE technologies, AJAX, Eclipse, and the Spring MVC framework.

- Developed a module to extract text and audio from Adobe Flash (.swf) files regardless of format version.
- Involved in the design, development, unit testing, and documentation of intelligent agent-based software.
- Frequently dissected and enhanced third-party open source software to accommodate software requirements and assimilation into projects.
- Acted as liaison and mentor for off-site developers.
- Helped develop team practices to ensure a consistent, well-organized, and reusable code framework.

Manager - Nerds on Call

March, 2005 - April, 2006

A web development and computer support company.

Managed PC technicians, responded to technical support calls and emails, fixed in-house and on-site hardware and software computer problems, conducted technology training with customers, performed consulting and wrote applications for other companies as well as designed and developed commercial graphics and websites

- Designed and developed the company's customer, employee, work order, work logging, and scheduling databases and the front-end interface application to them using PHP and MySQL.
- Assisted in renovating employee workspaces and customer area.

Application Developer - Cisco Systems, Inc.

September, 2000 - August, 2003

A large computer networking and communications company.

Sole developer on a suite of internal tools for technical writers in the product documentation department. Worked with internal customers to gather requirements, deploy, and maintain applications.

- Developed a large collection of tools (applications, macros, scripts, and DLLs) in Visual Basic, Visual C++, XSLT, and various scripting languages to assist technical writers with authoring, rendering, and publishing of product documentation.
- Awarded 4 individual achievement awards for innovation and learning, exemplary teamwork, mentoring, and excellence in development.