

John Roth

Software Developer and Computer Geek

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Job Objective:

Provide business value through innovative software solutions using cutting edge technologies, agile methodologies, and team work.

Years of experience in various Programming Languages:

Flex MXML (5 Years)
ActionScript 3.0 (5 Years)
C# (9 Years)
T-SQL (13 Years)

Full competence in:

- **Desktop**
Flex, Adobe Integrated Runtime (AIR), .net Winforms
- **Mobile Devices**
Flash Builder (iPhone and Android), Flex and OpenPlug (iPhone, Symbian, Android)
- **Internet**
Flex, MXML, Flash, ActionScript 3, ASP.net, AJAX, JSON, XML, XSL, XSLT, XPath, Java Script, DCOM, CSS, HTML, SOAP, and REST
- **Web Services/APIs**
Google Maps, Google Base Data, Yahoo Maps, YouTube, Weather Channel
- **Databases**
SQL Server 2008, SQLite, PostgreSQL, MySQL, dBase II, FoxPro
- **Applications**
Integrated Development Environments (IDEs): Flash Builder, Flex Builder, Eclipse, FlashDevelop, Visual Studio 2010, SQL Server Management Studio 2008, VFP Sedna

Version Control Systems: SVN, CVS, Team Foundation Server, Visual Source Safe, Borland Star Team

Bug Tracking/Project Management: TFS, ACEProject, BaseCamp, FogBugs, Mantis, AARDVARK

Graphics and Multimedia: Flash Professional, Photoshop, Adobe Premier, Bryce, Daz Hexagon, Illustrator, GIMP, Adobe Soundbooth
- **Operating Systems**
Windows (7, Vista, 2003 Server, XP, 2000, 3.1), Mac OS (Snow Leopard), Linux (Ubuntu, RedHat, Free BSD, and Knopix), Berkley UNIX
- **Programming Methodologies**
Crystal Clear (Agile), Test Driven Development, Extreme Programming, and DSDM.

Work Experience:

Ray White, Corporate - Brisbane, Queensland - Australia 2008 – present
Software Developer:
Languages: C# (ASP.net 3.5), Active Directory, LINQ to SQL, WCF, SQLSever 2008
Projects

- Created an iPhone application prototype in ActionScript 3 (Flash Builder) and another one using Flex and OpenPlug.
- Region Search Engine
 - Created a Hierarchy system to allow users to drill down from country to suburb and everything in between to find properties sold by Ray White franchise offices. The system allows different owners to define any type of hierarchy drill down (e.g. rural defined rural regions that are between states and suburbs). Challenge was to support geo coded queries in a SQL Server 2005 environment. I used SQL Server 2008 to build a relationship table between suburbs and user defined regions. I also use Custom Table Expression to recursively drill down to the various levels of the regional hierarchy.

XIT Solutions, Inc. - Salt Lake City, Utah and Australia 2004 – 2010

Software Developer:

Languages: Flex, MXML, ActionScript 3.0, C# (WCF and ASP.net), SQLSever 2010 (Database Design and Architecture)

- Architected and developer a rich internet application, using Adobe Flex and Microsoft .net, to help Tyco Australia track the frequency of accidents in the work place.
- Managed a small team of developers and helped architect a rich internet applications using Adobe Flex and Microsoft .Net at MediaForge.
- Architected and developed a rich internet fundraising applications, using Adobe Flex, for a United States President Candidate and Operation Kids charity organization.
- Enhanced Smashing Pumpkins and Virgin Records video player, using Flex and ActionScript 3.0.
- Enhanced and developed rich internet components, using ActionScript 3.0, in Sorenson Media's new DNA website, <http://www.genetree.com>.
- Developed a fee system to automatically accesses fees for home loans at Select Portfolio Servicing.
- Developed, tested, and debugged a Windows Enterprise Application that manages financial loans for Select Portfolio Servicing.
- Developed an automated accounts payable and receivable system for Castle Inspection.
- Designed and developed a rich internet application for Castle Inspection's HR Department to empower them to maintain jobs postings on several of their websites.

Health Care Insight - Salt Lake City, Utah 2003 – 2004

Software Developer:

Languages: ASP, Visual FoxPro

Achievements:

- Developed new software products (Websentry and Rx Insight) for the company.
- Maintained their main product (First Insight).
- Built web applications that link several databases to find fraudulent health care providers.
- Worked directly with clients, to set up core business services and to maintain profitability for both the company and savings for the client.

PRG/Schultz - Salt Lake City, Utah 2000 – 2002

Software Developer:

Languages: SQL Server, Oracle, Dbase 2, Visual FoxPro, Com, ASP

Achievements:

- Increased productivity in the JC Penny, Eckerd, and Wal-Mart audits by writing computer programs to automate data extraction, uploading, and processing for each audit.
- Increased productivity in the data processing department by conducting several meetings on teamwork and automation.

Utah Genome Center - Salt Lake City, Utah 1999 – 2000

Software Developer:

Languages: Sybase, Perl, Matlab

Achievements:

- Increased productivity in the Human Genome Project by developing the Laboratory Information Management System for the Mouse Genome Project.

- Used Extreme Programming methodologies such as Pair Programming, Unit Testing, and Acceptance Tests.

Education:

University of Utah – Studied Computer Science, Electrical Engineering, and Mathematics

Courses - Software Practices, Numerical Analysis, Microelectronic Circuits, Engineering Physics, Linear Algebra, Complex Variables, Engineering Calculus, Chemistry, and Technical Writing.

Languages proficiency:

English (*native speaking*)

I use to speak Italian, when I lived in Italy.

I studied French and German.

Awards and Service:

I was invited to be a presenter at the first World Wide O'Reilly Ignite Event in March, 2010 in Brisbane, Queensland Australia. I'm an active member of the Adobe Flex User Group in Brisbane and have given a couple presentations about Flex and ActionScript 3.0.

I was invited to talk about Flex and CS3 at an Adobe User Group in Salt Lake City, Utah for the CS3 launch. I participated as a big brother in the Big Brothers and Big Sister program in Salt Lake City, Utah. I was given an award of recognition, from the mayor of Salt Lake City, for my service as mentor in the Children's Mentoring Program in the United States.

Interests and Hobbies:

Snowboarding, Hiking, Playing the Guitar, Astronomy, Genetics, and spending time with my family.