Patrick Fitzgerald

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Summary of Skills

Programming:
- Eleven years Java programming experience and design
- Over fourteen years Windows programming experience including .NET and Power Shell
- Ten years Linux server experience
- Ten years Javascript, JSON, XML
- One year Ruby with Watir testing tool or Puppet
- Fourteen years TSQL and SQL experience
- Five years Groovy using Spock testing framework for test driven development
- Ten years experience with Servlets, JSP/Struts, JSF
- Approximately 7 years GUI development with Swing, HTML/CSS
- Experience with Javascript libraries and frameworks such as Ajax, jQuery, Dojo, or Sencha

System Administration:
- Ten years supporting Apache/Tomcat servers using Linux

Database:
- Fourteen years design, programming, optimizing SQL Server with some administration experience. Some experience with MySQL and PostgreSQL.

Software Engineering:
- Over ten years using IntelliJ or Eclipse development tools.
- Five years database reporting tools such as BIRT or Crystal Reports.
- Five years experience with Agile and Scrum software development processes.
- Experience with UML modeling or waterfall processes as well.

Professional Experience

Unifocus, L.P.   February 2003 – September 2014
Software Developer
- Built web applications for labor management, resource management, and scheduling for the hotel and hospitality industry.
- Core Java 7 development and architecture using Spring, Hibernate and REST.
- Intensive experience in business rules and statistical algorithms development for forecasting labor or resources for hotels.
- Wrote core routines for database input and output to SQL Server databases.
- Wrote numerous database reports using Java, BIRT, or TSQL.
- Front-end development using Swing, JSP/Struts, JSF and, later, jQuery or Sencha.
- Built scripts for GUI logic using Javascript.

Syvox Inc.   January 2000 – December 2002
Software Engineer
- Built voice recognition software and business rule development using C++ for warehouse picking in the transportation and logistics industry.
- Wrote routines to translate picking results to software events for input or output to a SQL Sever database.
- Wrote desktop GUI administration tools using Microsoft Visual C++.

Education
M.S. Civil and Environmental Engineering
University of Colorado, Boulder, CO.   August 1995

B.S. Electronics Engineering
Metropolitan State College, Denver, CO.   June 1985