

# WILLIAM PATTERSON

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[www.7thcodex.com](http://www.7thcodex.com)

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## Senior iOS Developer, Java-Enterprise/Webapp Developer Agile Leadership Experience

- \* Versatile, creative software engineer offering 15+ years of experience in complex software development
- \* Expert iOS and web-application development
- \* Concentrations in object oriented design, database-driven applications and agile methods
- \* Excellent communicator and team facilitator, combining technical ability with social skills
- \* Deep experience in design patterns, OOP design/architecting, object-relational mapping

## TECHNICAL SKILLS

Major Strengths, Technical: iOS/objective-C, Java (Java, servlets, JSP, JUnit/TestNG, etc), Java frameworks (Spring, Hibernate, Struts, iBatis, JSF, etc), REST and Soap Web Services; JavaScript, X/HTML, CSS, JSON, XML, AJAX; Apache, Tomcat, JBoss, Python, PHP/Zend-Framework. Maven, Ant, TeamCity.

Major Strengths, General: OOP design principles and patterns, Agile development methods, object-relational mapping, relational database schema design and SQL, web services and SOA systems, web-application design, general UNIX/Linux use as dev environment and as sys-admin.

**Education:** BS in Computer Science and Philosophy (*dual major*), Rensselaer Polytechnic Institute, Troy NY.

**Past Certifications:** Sun Certified Java Programmer, Oracle Administrator.

## PROFESSIONAL EXPERIENCE

### Principal, 7th Codex Software

5/2011 – Current

Contract and project-based software development for various clients, concentrating in iOS app development with additional projects in Java and Python. Created 5 apps under my own company, more than a dozen for clients. See: [www.7thcodex.com](http://www.7thcodex.com)

### Time Warner Cable, Advanced Tech Group West, Broomfield CO

Advanced Technology Group is responsible for all major software development for the company's cable plant infrastructure, video/telecom services and in-home set top boxes.

#### TWC: Developer / Scrum Master

10/2010 – 5/2011

Assumed primary responsibilities as scrum master for Prelude project: agile development team of 11 developers and testers. Successfully coordinated team to full field release of first version of product.

#### TWC: Senior Software Engineer (TWC)

8/2007 - 5/2011

**“Conductor” project:** Large web application for TWC division administrators.

**Technologies:** Java, JavaScript, HTML/CSS, Struts, JSP, Ajax/XHR, Spring, Dojo, GWT, web services, some JSF, Selenium, Ant, Red Hat, JBoss, IntelliJ/Netbeans/Eclipse.

**“Prelude” Project:** Pilot project to move to server-based application model with thin clients. Real-time, high-volume and high-performance scalable server application with millions of set top boxes as display tier.

*Technologies:* Java 6, Spring 3.0, TestNG, JMS, Solr/Lucene, CXF web services, Guava, JUnit, Maven.

**Intrado Inc, Longmont CO**

**12/2006 – 7/2007**

***Senior Software Engineer, Team Lead***

Provider of 911 and e911 emergency services for national telecoms.

Developer and team lead (5 devs) on real-time high-performance logging/analysis subsystem for 911 emergency call systems software. Agile development environment.

*Technologies:* Java, J2EE, spring, tomcat, several apache components, eclipse, hibernate, Oracle.

**The Spitfire Group, Longmont CO**

**3/2006 – 12/2006**

***Senior Technical Specialist***

Technology consulting firm specializing in business flow analysis and development of custom software.

Developers were direct customer facing with minimum 10+ years consulting experience.

Technology consultant and Java architect/developer on multiple applications (database reporting system, SOA architecture, etc).

*Technologies:* J2EE, OC4J/Oracle, Struts, Javascript/DOM, Spring, Hibernate, DisplayTag, SiteMesh, JSP, XDoclet, Ant. Full agile-process shop (using VersionOne tools).

**Lockheed Martin (via CSC contract), Denver CO**

**2005 – 3/2006**

***Software Developer***

The space systems launch division designs and builds satellite launch systems.

General development of misc data migration systems, process coordination tools, web service data publishing system. Extensive use of Oracle databases.

*Technologies:* Java/J2EE, C/C++, Oracle, Apache, Tomcat, VB, MySql.

**W. E. Dailey Inc., Bennington VT**

**2003 – 2004**

***Software Developer/Consultant***

Regional company supplying ready-mix and prefabricated concrete products to construction industry.

Developed data export/import systems and reporting solutions using relational databases / SQL.

*Technologies:* Java, JavaScript, DOM-manipulation, HTML, J2EE, SQL Server.

**LogicSpark Inc., Bennington Vermont**

**1999 – 2003**

***Lead Developer/Architect***

Startup focusing on software-as-a-service applications. Designed and built several niche-market custom web applications, as well as core reusable API's in Java (700+ classes) and JavaScript (6500+ lines of code) and all the supporting SQL schemas and queries.

**Corporate Software Development Trainer, NY (Contracts)**

**1993 – 2004**

Corporate trainer teaching multi-day and multi-week classes for corporate clients, generally working as a subcontractor for training providers. *Formerly Microsoft Certified Trainer (MCT).*

**Free-Lance Software and Web Developer, New York**

**1992 – 1999**

Contract development and consulting projects, mainly using Windows-based technology solutions (SQL Server, ASP, VB, etc) and web standards (HTML/DHTML, JavaScript, Front-Page and Cold Fusion, etc). Extensive work with UNIX system administration.