

# Stanley E. Kurdziel

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## Summary:

Talented, persistent, process-oriented Software Engineer, Architect, and Team Lead with over 10 years experience in the Software Development and Wireless industries. Principal Strengths include Test Driven Development, Team Mentoring/Leadership, Object-Oriented Design, and SDLC process improvement.

<b>Programming Languages:</b>	Java, C/C++, Ruby, Perl, Visual Basic, Python
<b>IDE's:</b>	Eclipse, Netbeans, RadRails, Visual Studio
<b>Development Skills:</b>	Object Oriented Design, UML, Requirements Management, Test Driven Development (TDD), Behavior Driven Development (BDD), Unit Testing (including JUnit, EasyMock), CVS, SVN, VSS
<b>Middleware Technologies:</b>	J2EE, Servlets, EJB, JDBC, SOAP, XML
<b>Servers:</b>	JBoss, BEA Weblogic, Jakarta Tomcat, Apache
<b>Web Technologies:</b>	HTML, JSP, PHP, Cold Fusion, XML
<b>Databases:</b>	Oracle, MySQL, SQL Server, PostgreSQL
<b>Wireless Web:</b>	WAP/WML, J2ME, BREW, Android
<b>Operating Systems:</b>	Solaris, FreeBSD, GNU/Linux, Irix, Windows 98/NT/2000/XP
<b>Certifications:</b>	Sun Certified Programmer for the Java 2 Platform

## Experience:

[Cricket Communications](#) / [Leap Wireless](#), San Diego, CA

July 2003 to Present

**Contractor, Software Engineer III, Software Engineer IV**

*Cricket Communications operates in 34 states and the District of Columbia serving more than 4.5 million wireless customers nationwide. The Company is the 7th largest wireless carrier in the United States and a Fortune 1000 company.*

- Led team of nine to develop enterprise Point of Sale integration module. Created suite of automated billing system integration tests which facilitated low defect rate. Implemented agile practices including frequent production-grade releases, daily scrum meetings, and automated functional testing. Hit every delivery milestone over the eight month life of the project leading to an extremely successful production rollout that saves the company over one million per year in training and production maintenance costs.
- Developed and refined a comprehensive release process which documents everything involved in releasing versions of the *Centralized Services Platform*. The high level view consists of overview information such as when/why/who promotes releases through each of our 5 environments. By drilling into each step, actual commands, rollback procedures, alternative flows and looping are documented. Including related

improvements such as reducing more than 20 discrete versions into a single version number and intranet accessible release notes, having a well defined lightweight and modifiable process takes all the guess-work out of these critical tasks that are performed on every iteration. A conservative estimate of the time savings per 2 week iteration is greater than 10% across the 3 primary participants (3 man days of work). In practice it was at the heart of long term team velocity increases.

- Ported *Centralized Service Platform* from Java 1.4/JBoss 3 to Java 5/JBoss 4. Performed significant refactoring and upgrades to core code, simplifying many components and automating the infrastructure. This allowed future projects to move from spending less than 25% of the development time on project specific business logic to spending more than 75% of the development time on business logic.
- Hired on as the first developer on the *Centralized Service Platform* - A Web Services focused middleware platform enabling centralization of business logic and allowing different applications on different platforms to make simple SOAP calls in order to interact with various back end systems. Also provides centralized logging and manageability. Grew into a very robust and high capacity platform allowing rapid development of new integrations with external and internal systems.

**Wintriss Technical School, Del Mar, CA**

**October 2007 to Present**

**Instructor, Board Member**

*Wintriss Technical School is a non-profit school providing programming education to middle and high school students. Changing kids lives through programming*

- Teach weekly java programming classes which gives children exposure to sophisticated programming at a young age.
- Develop curriculum and lesson plans. Build community around school which fosters unique learning opportunities for children and gives instructors and other volunteers an excellent avenue to learn new skills and give back to their community.
- As a member of the board, attend monthly board meetings, guide the evolution of the school, and review financial statements.

**Infosend, Inc., Fullerton, CA**

**June 2002 to June 2003**

**Consultant**

*InfoSend specializes in processing, formatting, and delivering outsourced documents.*

- Developed a PHP/MySQL/Apache/FreeBSD powered SSL-encrypted extranet website. The site allows clients to view and print exact copies of previously mailed bills and securely upload data files for processing. This polished, cost-effective, and user-friendly web application helped InfoSend to win competitive bidding proposals, and continue the high quality of service that earns them near 100% client retention rates.
- Provided timely IT research and development assistance, including various programming tasks, FreeBSD server configuration and maintenance, firewall assistance, networking, backup, and security design giving management extra time to focus on developing new business, while having the confidence that the systems will perform as advertised.

**Chugai Pharma, San Diego, CA**

**September 2002 to March 2003**

**Consultant**

*Chugai Pharma USA, LLC discovers and develops therapeutic products that treat cardiovascular diseases, cancer, plus gastrointestinal and joint diseases.*

- Developed Mass Spectrometry data processing and formatting software. This flexible application saved the department's Analytical Chemists hours of manual cutting and pasting for each run. Written in Visual Basic for Applications (VBA) with seamless integration into Excel

**Five Mountain Solutions, San Diego, CA**

**March 2002 to June 2002**

**Consultant**

*Five Mountain Solutions provides an end to end internet solution for every type of business. Services include networking, programming, systems administration, and security.*

- Implemented and documented source control, web server analysis software, and automated monitoring system, all running on Linux servers, creating a solid base for company to build upon.

**Leap Wireless International, Inc., San Diego, CA**

**December 2000 to February 2002**

**Software Engineer**

*Leap is a customer-focused company providing innovative communications solutions for the mass consumer market. Leap pioneered Cricket Comfortable Wireless service, which lets customers make unlimited calls over their local service area and receive calls from anywhere for the same low price every month.*

- Initiated development on a Mobile Instant Messaging product, researched necessary technologies, and created development plan. Along with team of developers, implemented a fully functional and scalable system, providing corporate office with basis for market evaluation. Server technologies: JSP, Jabber/XML, JDBC, Oracle.  
Clients: WAP/WML, J2ME, BREW(C code), HTML embedded Applet
- Co-developed a VoiceXML controlled Voice Response System, including technical design, requirements management, and Macromedia Cold Fusion coding with a MS SQL Server backend. This resulted in customers gaining the ability to change their preferences by talking to the system through their cell phone, resulting in a 90% per minute cost savings to the company.
- Designed and implemented a comprehensive set of procedures to upgrade the BEA Weblogic application server while avoiding any downtime on the production site. Utilized efficient communication to ensure that more than ten developers running development servers on their Solaris workstations were able to continue development without interruption.
- Provided engineering design, implementation, testing and support to a remote web application team working on a large HTML based content delivery management and reporting system powered by Macromedia Cold Fusion. Improved the development process, met aggressive production deadlines, and enhanced product functionality for internal/external users including advertisers, content managers, business analysts, and Cricket subscribers.
- Assisted the System Administration team with many projects including server administration, backups, and networking. For example, helped with tricky firewall configuration problems, and setup BGP on a Cisco 6506 enterprise series switch saving tens of thousands in outside consulting expenses

**Neopoint, Inc., San Diego, CA**

**November 1999 to December 2000**

**Software Engineer**

*Neopoint designs award winning smart phones that provide voice clarity, email, Internet access, and PIM functions in a single package.*

- Wrote Java code, servlets, and JSP pages for a wireless portal application (myAladdin.com). Gained experience in the requirement gathering process, worked with the Oracle database team and project management. Followed code through the release process, communicated with QA, fixed any bugs, and migrated code to the production servers.
- Took initiative to improve the deployment process by developing a set of secure deployment processes for our J2EE application server. This led to a fully automated, interactive Perl script that turned what had been an intensive, manual, error-prone process into a quick, predictable, traceable command easily run by any member of the team.
- Managed all aspects of our usage of source control. Developed procedures used for accessing the CVS system that allowed developers to code independently of each other, retrieve any version of the codebase at any time, and maintain independent branches of development for the production service and next version. Helped developers to troubleshoot any related problems.
- Designed and implemented a wireless music demo which demonstrated the convergence of cell phones and music listening/purchasing devices. During the course of being shown to all five major labels, supported the demo: adding enhancements, fixing bugs, and developing new features as needed. Enthusiastic responses from the labels convinced the business team to pursue spinning out the entire application development division as a separate company. This led to the group being sold to Leap Wireless in a multi-million dollar deal.

**Molecular Simulation, Inc., San Diego, CA**

**July 1997 to November 1999**

**Technical Support Specialist**

*Supported Molecular Modeling software used by scientists and researchers on SGI, IBM, SUN, and Cray systems.*

- Decreased call turnaround times and increased customer satisfaction through efficient support and implementation of processes such as generating a number of canned responses which could be sent out by the first line support reps to answer over 25% of the initial requests.
- Tested pre-release code, communicating suggestions and bug fixes to the developers. Also elicited suggestions from customers on released products. Together these helped create more reliable software and increase repeat customers.

## **Education:**

**University of California - San Diego**

**BS in Computer Engineering - March 2000**

**Professional Development / Community Involvement:**

- [San Diego Java Users' Group](#) - July 2007-Present
- [XPSD Group](#) - October 2007-Present
- Mentored the 3rd place team @ the [International Autonomous Robotic Competition](#) - June 2009
- [BarCamp San Diego](#) - Gave talk on how Maven can help with your Java development this week - May 2009
- [SoCal Code Camp](#) - CSU Fullerton - January 2009
- [BarCamp San Diego](#) - Gave talk on Google's Android - November 2008

- [SoCal Code Camp](#) - USC - September 2008
- [Google Code Jam](#) - placed 1318 in the 3rd group of the 2nd round - July 2008
- Mentored the 2nd place team @ the [International Autonomous Robotic Competition](#) - June 2008
- JavaOne Conference - May 2008
- Tibco Business Works Training - April 2008
- [Android Developer Challenge](#) - April 2008
- Object Oriented Analysis and Design 2 - UCSD Extension - Winter 2007
- Object Oriented Analysis and Design 1 - UCSD Extension - Fall 2006
- Unit Testing / TDD - UCSD Extension - Summer 2006
- JavaOne Conference - May 2005
- CSE225 - Grid Computing - UCSD Extension/Bridge - Spring 2005
- Sun Certified Programmer for the Java 2 Platform - March 2002
- Software Project Management - UCSD Extension - Winter 2001
- Qualcomm's Brew 2001 Developers Conference - May 2001
- BEA E-World 2001 Conference - February 2001
- BEA Weblogic J2EE Programming - February 2000

### **Books that have influenced who I am as a developer**

- [One Small Step Can Change Your Life: The Kaizen Way](#) - Robert Maurer
- [UML Distilled](#) - Martin Fowler
- [Refactoring: Improving the Design of Existing Code](#) - Martin Fowler, Kent Beck, John Brant, and William Opdyke
- [Extreme Programming Explained](#) - Kent Beck
- [Design Patterns](#) - Erich Gamma, Richard Helm, Ralph Johnson, and John Vlissides
- [The Cluetrain Manifesto](#) - Christopher Locke, Rick Levine, Doc Searls, David Weinberger