

SUMMARY

Passionate leader with over 15 years experience managing teams that deliver highly reliable and innovative software projects using leading edge technologies under tight deadlines and extreme pressure. Able to work with a wide range of technologies and platforms, fluent with entire software development lifecycle and UNIX system administration, and strong proponent of Test Driven Development. Thrives in educating and communicating to all levels of an organization, technical and non-technical, about new technologies, and integrating complex technology to streamline processes and develop programs to complete projects on time. Continually self educating on new technology to analyze its ability to integrate or help improve processes. Delivers reliable code rapidly through organized project management and complete understanding of the benefits of software testing.

TECHNICAL SKILLS

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|-------------------------|------------------------|------------------|-----------------------------------|
| • Java | • UNIX | • Ruby On Rails | • Agile/Scrum |
| • Javascript/HTML/CSS | • REST | • UI / MVC | • Enterprise Integration Patterns |
| • VMWare | • Cloud-based delivery | • Cloud/PaaS | • Google Maps API |
| • IDEA/Eclipse/Netbeans | • TDD | • Jenkins/Hudson | • Git/Perforce/SVN |
| • Maven | • MySQL | • NoSQL/mongoDB | • Splunk and Graylog2 |

PROFESSIONAL EXPERIENCE

ActiveState, Vancouver, Canada
Developer / Evangelist

09/2012- present

Evangelize Stackato, ActiveState's Private Platform as a Service (PaaS) offering to developers, CxOs, partners, and customers at tradeshow, meetups, and industry events, delivering deep technical presentations to key industry players at all levels. Contribute to the core product code-base, specializing in Java frameworks and tools, and building cloud-based proofs of concept.

- Built and delivered a technical "Combatting Antipatterns with PaaS" talk at an ACM event in San Jose.
- Wrote multiple blog posts, articles, and documents focusing on technical aspects of Stackato.
- Conceptualized and initiated buildout of extensive end-to-end proof of concept illustrating the enterprise-hardiness of the Stackato product.
- Resolved several Java bugs in the core code-line, and implemented two new features.
- Worked directly with sales, marketing, and business development to enhance existing partnerships, provide technical support, and showcase Stackato to developers, CxOs, and IT.
- Coordinated and delivered technical video production at partner site.
- Created and delivered a number of webcasts/screencasts illustrating the use of the product.
- Interacted with engineering teams of corporations, from startups to fortune 100.
- Delivered PaaS presentations at CloudBeat, CloudStack, and QCon conferences.

Glen Canyon Corporation, Scotts Valley, CA

10/2011- 09/2012

Chief Software Architect

Championed entire software stack for the company's complete product line from inception, initial design and architecture, development and testing to release. Oversaw and managed all Architecture, Engineering, Project Management, QA, System and Database Administration.

- While on-boarding, educated CEO on simplified and more powerful synchronous HTTP POST operations that made a dramatic impact increasing data transmission frequency 1440x, simplified codebase and made product far more sellable.
- Developed end-to-end proof of concept in limited time under high pressure that demonstrated a working version of entire software product that was showcased at Distributech 2012 where product was received enthusiastically by dozens of potential vendors, partners and customers.
- Drove development of powerful User Interface that included internationalization/localization, extensive data analytics, flexible reporting engine, graphing and charting along with complete mapping and location system.
- Negotiated contract terms with www.8x8.com specifying hardware layout, memory, disk and processor allocation, virtual machine requirements and set up.
- Wrote TDD methodology tests prior to implementation to produce a cleaner design and ensure a valid test bed was available that resulted in greater first time testing accuracy and prevention of delayed project.
- Recommended and implemented the innovative NoSQL database mongoDB that drastically improved development time, increased data throughput, and allowed flexible database schema that could adapt over time.
- Selected and configured all development tools and libraries including Git, Maven, Apache Camel, Tomcat, Highcharts, Jenkins, ApacheMQ, VMWare, and graylog2.

eMeter Corporation, San Mateo, CA

3/2010 – 10/2011

Manager, User Interface Engineering (7/2010-10/2011)

Led Agile team of 5 senior User Interface Engineers specializing in JavaScript, CSS, HTML, PHP, and Ruby. Built a server-side JavaScript framework as the foundation of a major upcoming product release, while maintaining an existing MVC web portal application built using an in-house PHP-based MVC framework.

- Released 3 versions of the Consumer Energy Portal Product, Energy Engage, that produced dozens of new features and enhancements.
- Spearheaded the adoption of a new graphing library that required complete redesign of underlying charting infrastructure but resulted in significant code reduction and enhanced application usability.
- Built JavaScript based REST protocol analyzer and testing tool that was instrumental in testing and debugging the REST interactions between the front- and back-end.
- Worked cross-functionally with senior management including CEO, CTO and CMO, and multiple customers and partners in developing and evolving the overall product direction and strategy.
- Built a solid and reliable team with little turnover by managing through mentoring and freedom to innovate to keep projects moving with high productivity.

Senior Staff Engineer (3/2010-7/2010)

Worked with core team of Java engineers on Data Services Layer designing and implementing data services behind REST interface as part of web portal product. Enhanced portal UI to integrate with third-party web services.

- Implemented back-end system for significant new application that enabled change auditing and data management.

- Built an extensive proof of concept showing future features of the application.

Sun Microsystems, Santa Clara, CA

1997-2010

Senior Staff Engineer, Technical Marketing Engineering (3/2001-3/2010)

Designed and implemented showcase software for major Sun Events including JavaOne, SunNetwork, Java Business Conference, and the World Wide Analyst Conference. Under high pressure, architected and built large software systems that enhanced the attendee user experience and showcased a wide spectrum of Sun products and technologies. Built multiple in-house applications to streamline various internal processes used by the events group.

- Single handedly built extensive event management application that tracked over 300 events per year.
- Re-implemented event management application in Ruby on Rails, achieving 90% code reduction while significantly enhancing functionality. The app became the standard tool for booking events within Sun.
- Conceived, designed, and architected "Duke's Photo Booth," an elaborate and highly regarded JavaFX-based green screen application used at JavaOne 2009 to create custom photographs of attendees that increased leads and deemed as one of the main attractions of the event.
- Built showcase software that was focal point for keynote speaking events with thousands in attendance.
- Mentored and managed three college interns, overseeing and guiding the building of a program to integrate the JavaMedia APIs, and modifications to an existing internal application.
- Architected and developed an accessibility chat demo for JavaOne 2000, based on Jini, JavaSpaces, KVM (on Palm VII and RIM Blackberry devices), Servlets, Swing, and the Accessibility APIs that enhanced JavaOne 2001 to support wireless MIDP clients (Motorola i85s phone, Palm devices).

Staff Engineer, Java Technology Evangelist, JavaSoft Division (7/1997-3/2001)

Traveled the globe evangelizing strategic Java technologies by providing in-depth technical presentations, coding assistance, classes, and design reviews for strategic Sun partners and customers. Acted as champion for critical Sun accounts by liaising with engineering, public relations, and marketing. Designed and implemented small to medium-scale software projects to showcase areas of focus including Jini, JavaSpaces, EJB, JFC/Swing, MIDP, JAXP, JavaMedia. Delivered countless technical presentations to wide audiences of various sizes and backgrounds from engineers to top-level executives.

- Delivered multiple technical presentations globally educating audiences ranging in size up to 3000.
- Wrote code and built software projects to illustrate the technologies being showcased.

Lighthouse Design Ltd., San Mateo, CA

1996-1997

Marketing Engineer/Customer Care Engineer

Evangelized Lighthouse products and technology to Sun and key customers through demos and presentations, leveraging opportunities to educate influential groups within key Sun divisions. Interacted with premium customers to help build customer success profiles and better inform them of product marketing efforts. Acted as a pipeline between engineering and marketing by communicating product directions, customer requirements, and technical details. Developed prototype applications to showcase Lighthouse technologies.

EDUCATION

- **Bachelor of Science** Specialization in Computing Science, University of Alberta, Canada
- Pragmatic Studio Advanced Ruby on Rails Camp
- Sun Certified Developer, Programmer and Architect for the Java 2 Platform
- Advanced Java Programming, Stanford Graduate Course
- Object Oriented Analysis and Design Using OMT, ACC Lockheed Martin
- Cisco Networking Products Course
- NeXT Developer Camp

PATENTS

- 20080017698: Method and System for System Administration Using Radio Frequency Identification, John Wetherill and Kevin McDonnell
- 20030101134: Method and System for Trusted Transactions Approval, James Lui, John Wetherill, et al.

PUBLICATIONS

- *Messaging Systems and the Java Message Service*, appeared in SunServer Magazine and on Sun's Java Developer connection at:
<http://developer.java.sun.com/developer/technicalArticles/Networking/messaging>
- *Message Driven Beans: Enabling asynchrony in EJB*, SunServer Magazine
- *Fundamentals of Building Distributed Systems with JavaSpaces*, SunServer Magazine
- *Parsing XML using the Java API for XML Processing (JAXP)*, SunServer Magazine
- *DOM and the Java API for XML Processing*, SunServer Magazine
- *Experiments on an Improved Predictive Image Compression Method*, by John Wetherill and Xiaibo Li, from CIPS Proceedings, Intelligence Integration