

# Jeff Hanson

CTO, Software Architect, Software Engineer

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## SUMMARY

Extensive experience in research, product development, software architecture, software engineering, and quality control.

Dynamic leader with extensive experience refactoring monolithic systems to loosely-coupled, extremely agile, service-oriented platforms. Efforts have increased ROI by enforcing software reuse, reducing software issues, and optimizing processes.

## EXPERIENCE

### Max International

MAY 2007 - PRESENT

#### CTO

Responsible for all IT and IS duties including design, development, deployment and management of client and enterprise systems using Java, PHP, J2EE, Win32, C++, C, Perl, Python, XML, RSS, RDF, Atompub, and others.

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### eReinsure Inc.

MARCH 2003 - MAY 2007

#### Chief Architect

ASP application platform and frameworks using J2EE tools and technologies in a WebLogic application server environment. Projects included XML/XSLT design, development and design for EAI, ACORD and SOAP integration (WS-I Basic Profile 1.0), event-based transactional system using in-house ESB, Web services integration with legacy systems, Service-Oriented Architecture (SOA) implementation. Full coverage of most J2EE technologies including: JDBC, JMS, servlets, JSP, XML Schema, SOAP/WSDL, SSL, XML Encryption, and XML Signature. Responsible for overall design and implementation techniques of platform.

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### Zareus Inc.

OCTOBER 2001 - MARCH 2003

#### Technical Lead and Chief Architect

J2EE application platform. Projects included EAI, Web services integration, JMX integration, XML/ SOAP integration, Data Access Objects (DAO) design and implementation. Full coverage of most J2EE technologies including JNDI, JDBC, EJB, JMS, servlets, JSP, etc. Responsible for overall design, implementation and testing of platform.

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### Financial Fusion

SEPTEMBER 2000 - OCTOBER 2001

#### Technical Lead and Senior Architect

OFX, FIX, ACH, GSTP, online-billpay, online bill-presentment and Axion4 Transaction Flow Manager. Work included architecture analysis, design, development, testing and debugging for J2EE platform using Java, Servlets, HTML Template Framework, EJB, JavaBeans, JDBC, XML, HTML, WML, HDML and HTTP. Tools included: WebSphere, WebLogic, ServletExec, Ethereal, Perforce P4, Gnu CPP, Kawa and Visio Professional.

### Technical Lead and Senior Software Engineer

Component architecture analysis, design, development, testing and debugging for NetWare platform (file system, bindery, sockets) and NDS infrastructure using C, C++, ActiveX, MFC, Visual Basic, Java, Applets, Servlets, JSP, EJB, JavaBeans, JNDI, JDBC, HTML, WML, HTTP and RMI. Tools included: Microsoft Visual Studio, Microsoft Visual Basic, Microsoft SourceSafe, Javasoft JDK, NetWare JDK, Symantec Visual Cafe, Borland JBuilder, Watcom C compiler and linker, Tek-Tool's Kawa and Visio Professional.

### WordPerfect Corporation

JANUARY 1993 - DECEMBER 1996

### Technical Lead and Senior Software Engineer

Analysis, design, implementation, testing and debugging software for Word Processing industry on Macintosh and Windows computer systems. Object oriented analysis and design for page layout/word processing systems. Analysis, design, development, testing and debugging for OpenDoc framework. Microsoft Visual Studio, Microsoft SourceSafe, PVCS, MPW, Metrowerks CodeWarrior and Visio

### Digital Technology International

JANUARY 1987 - JANUARY 1993

### Technical Lead and Software Engineer

Analysis, design, implementation, testing and debugging software and systems for newspaper publishing and desktop publishing industry on Windows, Macintosh, MSDOS and CPM computer systems. Tools included: MPW, DataFlex, Digital Research compiler and linker, Microsoft Visual Studio, MFC and Microsoft Visual Basic.

## SKILLS

Software Design, Software Engineering, Software Development, and Software Architecture using JSP, J2EE, XML, Java, EJB, SOA, REST, Amazon S3, UML, Servlets, ESB, JMS, EDA, Mashups, SDLC, XP, JMX, Web Services, AJAX, Spring, Hibernate, Tomcat, Eclipse, JavaScript, Ant, Websphere, SOAP, Web Applications, Scrum, JBoss, SQL, JDBC, OOP, Design Patterns, Weblogic, Struts, C++, Windows, Linux, jQuery, JSF, MySQL, HTML, CSS, Agile Methodologies, RSS, Atom Publishing Protocol

## PUBLICATIONS

### Published Books

- Mashups: Strategies for the Modern Enterprise - Addison-Wesley Professional publishing
- Connecting JMX Clients and Servers - Apress publishing
- Web Services Business Strategies and Architectures - Expert Press publishing .NET and
- J2EE Web Services: A Comparison - Tect
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### Published Articles

#### **IBM developerWorks** (<http://www.ibm.com/developerworks/library>)

- An introduction to the Hadoop Distributed File System
- Build server-side mashups with Geronimo and REST

- Add XML as a data mining tool
- Best practices for effective velocity tracking
- Mashup security
- An analysis of the Apache Geronimo PetStore demo
- Manage Apache Geronimo with JMX - IBM developerWorks
- Build an SOA framework with Apache Geronimo and POJOs
- Build an event-driven framework with Apache Geronimo and JMS

**JavaWorld (<http://www.javaworld.com/>)**

- ServiceMix as an enterprise service bus
- Event-driven services in SOA
- Web services to integrate Web apps with Enterprise Information Systems
- Manage your business processes with JBoss jBPM

**DevX (<http://www.devx.com/>)**

- Take Control of Class Loading in Java
  - Simplify Java Object Persistence with Hibernate
  - SOA: Refactoring Mainframe Applications into Dynamic Web Applications
  - An Introduction to Java Object Persistence with EJB
  - An Intro to Java Object Persistence with JDO
  - Simplify Java Object Persistence with Hibernate
  - Implementing an Enterprise Service Bus in Java
  - Managing XML Encryption with Java
  - Using Java to Handle Custom WSDL Data Types
  - Implementing WS-Security with Java and WSS4J
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