

# Ben Tomasini

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## Summary

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Over ten years of experience in design, development, and support of high volume applications. Ability to lead a development team to deliver quality results. Excel at rapid development of complex systems with interdisciplinary requirements. Enjoy working in a team environment and learning from others. Experience developing applications, frameworks, and reusable components. Ability to assume multiple roles at a senior level, from strategic architect to developer. Entrepreneurial experience building and selling managed hosting business. Open source enthusiast.

## Skills, Technologies and Tools

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### Skills

- Ability to craft advanced, high quality software components, frameworks, and applications
- Ability to realize architectural goals through meaningful implementation strategies
- Experience establishing and documenting a development pipeline, including source control, automated build and testing, issue tracking, continuous integration, and deployment
- Ability to coach and mentor developers through participative leadership

### Technologies and Tools

- **Languages and Platforms:** Java, JEE, SQL, JMS, Web Services (SOAP and RESTful), JAX-WS, JAX-B, HTML, Javascript, XML, CSS, SVG, Tomcat, Jetty, JBoss, IBM WebSphere, Windows Servers, Linux, Unix, LDAP, JESS, Shell Scripting
- **Frameworks and Libraries:** Struts2, Struts1, jQuery, Tapestry, Spring, Spring-WS, Spring Security, iBatis, Axis, CXF, JUnit, EasyMock, dom4j, JDOM, EHCACHE, Xstream, Java Advanced Imaging
- **Tools:** Maven, Ant, CVS, Subversion, Perforce, Emacs, Eclipse, Hudson
- **Databases:** Oracle, DB2, Microsoft SQL Server, PostgreSQL, MySQL
- **Disciplines:** Configuration Management, Test Driven Development, Refactoring, Data and Service Modeling

## Experience

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### 1/2009 – present Senior Software Engineer / Architect, eCommerce – Bank of America, Seattle, WA

Engineer and architect on team delivering next generation eCommerce platform. Developed multiple libraries and frameworks used on over 5 major eCommerce projects. Developed AOP based caching framework. Developed session data coherency and fail-over framework using custom Spring scopes, distributed cache access, and a near / far cache provider. Developed advanced in-process monitoring agents and degraded mode method interceptor for fault-tolerant system integration. Developed library providing SSO integration, access to enterprise user profile service, and integration with Spring Security and Struts2. Modeled use of JAXB, Maven, and Spring-WS for management and distribution of enterprise service schema, object model and service clients. Led initiative to replace in-house libraries with better performing and more cost-effective open source libraries. Modeled and guided implementation of development practices across multiple cross-functional teams. Initiated and guided organizational efforts to adopt Maven and centralize and organize developer documentation. Technical lead on Countrywide transition project. Sr. Architect overseeing design of multiple major project and platform initiatives.

**6/2007 – 12/2008 Senior Programmer / Analyst – Online Products, Nintendo of America, Redmond, WA**

Technical lead for Club Nintendo service tier. Developed and oversaw development of new data and service model. Designed activity management module and co-designed general ledger module. Piloted service tier application using Apache CXF, Spring, and iBatis. Guided development of services and data access components. Developed advanced AOP based caching and performance profiling library, both of which were key in resolving post-launch performance issues. Worked closely with development agency responsible for UI, providing packaged web service clients with Spring beans for efficient integration.

Developed integration modules for the Internet channel of the Wii console and portal for game publishers. Developed and implemented standard build and configuration management procedures for new and existing projects. Developed and trained others in use of new web application framework using Struts2 and Spring. Realized significant productivity gains by migrating multiple projects to Maven / Jetty based development environment. Introduced test driven development with Junit and EasyMock.

Participated in task force selecting an enterprise workflow and BPM solution. Developed SOAP-based service interface for workflow engine.

**11/2003 – 5/2007 Senior Application Developer – SunTrust Banks, Atlanta, GA**

Technical lead and senior application developer on a number of large projects. Mentored other developers. Provided technical guidance to a number of ongoing projects.

**Fraud Detection Workflow:** Led the research, development and successful implementation of a check fraud detection web application using Tapestry, Spring, iBatis, JMS, DB2, and Microsoft SQL Server. Led a team of 4 developers. Designed, developed and integrated a high volume workflow engine for the handling of work cases and tasks with advanced work distribution and prioritization. Integrated business rule support with the JESS rules engine. Established and documented standard procedures for source control, build, configuration management, unit testing, issue tracking, deployment, and quality assurance. Reduced production problems through the rigorous use of automated unit testing during development. Analyzed and solved a number of performance and database locking issues. Helped the business realize significant cost savings as three processing sites were consolidated into two.

**Check Image Retrieval:** Developed a RESTful Web Service application for the retrieval of check images from a multiple remote archives. Used Doug Lea's concurrency packages to implement an intelligent mutex lock and caching system to increase efficiency of retrievals. Used Java Advanced Imaging for transcoding and image manipulation. Flushed out a number of memory leaks and performance bottlenecks through load testing and memory profiling. Produced application which was five times faster and fifty times more memory efficient than the previous implementation.

**10/2000 – 12/2006 Owner – NetEverything, Inc., Alpharetta, GA**

Founded, grew, and managed a profitable managed hosting and co-location business operating out of multiple data centers. Consulted businesses on the development, implementation and operation of Internet and eCommerce infrastructure. Worked with Windows Servers, Linux, MS SQL Server, MySQL, Cisco switches and firewalls. Sold business in December of 2006.

**4/2003 – 11/2003 Application Developer – Checkworks Inc., Alpharetta, GA**

Lead developer on a major project to develop check image retrieval web application for 17,000 internal employees and all Internet Banking customers. Successfully designed, coded, and implemented major components of the application using J2EE, Struts, DB2, and various Java imaging technologies. Mentored other developers on the project. Established, and documented essential source control, build, and configuration management processes.

**1/2001 – 4/2003 Application Developer – Bridger Commercial Funding, Mill Valley, CA**

Developed BankXchange (<http://www.bankxchange.com>), a commercial loan portfolio sales website. Responsible for the analysis, design and construction, including complex financial analysis tools.

Lead developer for corporate website redesign (<http://www.bridgerfunding.com>). Created technical framework and worked closely with the design team. Developed dynamic components for real time display of financial data and graphs, including integration of real time data from third party providers. Converted complex loan quoting engine from ColdFusion to Java. Developed and integrated secure single sign on solution for all internal and external websites.

Designed and developed a SOAP enabled Excel application for loan origination. The unique design enabled originators to download an application from the central database into their Excel worksheet using a Web Service, and upload their work back to the database when finished.

Developer on a business automation portal for commercial mortgages. Worked with a development team through all phases of project. Created custom Java taglibs for specialized UI design.

Technologies used: Java, J2EE, Struts, JSP, Axis, Oracle.

**5/1999 – 12/2000 Application Developer, Project Manager – NetEverything, LLC, Chico, CA**

Completed a number of successful and revenue-generating software projects for clients. Worked actively in all phases of the projects, from requirements gathering to deployment. Completed software projects include:

- **2000 – Nacio, Inc.** – Internet traffic data warehouse – Designed, constructed, and deployed a complete data warehouse for the analysis of the traffic patters of a major ISP. Technologies used: Microsoft SQL Server with OLAP, Active Server Pages
- **2000 – Keynomics, Inc.** – Corporate typing tutor – Designed, managed, and deployed a sophisticated typing tutor for an ergonomics consultancy. Included complex Web UI, sophisticated workflow, and detailed analysis of participants' keystrokes and performance. Employed offshore developers for quick completion at lowered cost. The application is an ASP product now in use by Fortune 500 companies. Technologies used: Active Server Pages, Microsoft SQL Server, Custom ActiveX components.
- **1999 – Landacorp, Community Dental Care** – Healthcare business portals – Designed, constructed, and deployed two database portals for healthcare firms. Developed reporting suites including dynamic PDF generation. Portals included the tracking and reporting of revenue contracts. Technologies used: Active Server Pages, Microsoft Access, Oracle.
- **1999 – IntelliPrice** – Price comparison site and dot-com venture – Led offshore team in the development of a computer hardware price comparison site. Managed and operated business. Technologies used: Microsoft SQL Server, Active Server Pages

**10/1998 – 5/1999 Data Warehouse Developer – CableData, Sacramento, CA**

Worked with a team of 4 developers constructing a large Data Warehouse for Cable Data. Created data transformation packages for the movement of data from an Tandem OLTP system to a RedBrick data warehouse.

**6/1994 – 10/1998 EVERSYS Corp., Novato, CA**

**1/1997 – 2/1998 Application Developer**

Developed a commerce web site for retail sales of over 40,000 computer hardware and software products.

Managed the import and transformation of product data from the vendor into an SQL Server database using

Transact-SQL, database cursors, and type conversions contained in stored procedures. Successfully developed and implemented a complete sales quotation and sales order application in Lotus Notes.

## Speaking Engagements

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**2/2009 – The Information Management Forum** – Webcast: “Agile Development: Simple Tactics, Strategic Results”

**5/2007 – The Information Management Forum** – 2007 Joint Meeting, Application Development and Project Management: “Role of Application Developer”

**2/2007 – The Information Management Forum** – Webcast: “Taking the Pain out of Software Development”

**2/2005 – Atlanta Java Users Group** - “JESS: Java Expert System Shell”

## Education

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### **Georgia Southern University 2007 - 2009**

MBA

Georgia State University 2007

Business Administration

Global University 2005 - 2007

Butte Community College 1998

Santa Rosa Junior College 1996 - 1997

### **Christian Life International Bible College 1994 – 1996**

BA, Biblical Studies (2007)

Ministerial Arts Degree, Biblical Studies, Biblical Counseling (1996)

Valedictorian with High Honors

## Other

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**Hobbies:** bass guitar, sound engineering, mountain biking

**Travel Experience:** India, DR Congo, Republic of Congo, Indonesia, Cameroon, Benin, Ghana