

# ROBERT J. WYGAND III

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## **SUMMARY**

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Senior programmer/architect with 13 years of broad software development experience.

Demonstrated abilities in the following:

Management: Team leadership. SDLC. Project management.

Architecture: Requirements gathering. Writing specifications. Use case analysis.  
Object-oriented design. RDB schema design. UML. Protocol design.

Programming: Java. C++. LAMP. Scripting. Design patterns. Rapid prototyping.  
Network programming. Web services. XML/XSL. SOAP. LDAP. HTTP.  
TCP/IP. SMTP. IMAP. SSL/TLS. SQL. HTML. Javascript. CSS.

## **EXPERIENCE**

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**Member of Technical Staff IV**, Sun Microsystems April 2004 — Present

Key member of the Sun StorageTek 5800 product group who contributed design and code to critical components of this clustered archival storage solution.

- Designed and developed original command-line interface, whose design was later extended to allow a Java-based GUI to manage clusters
- Expanded the cluster management layer to enable implementation of a clustered distributed configuration
- Maintained the data integrity engine which included bit rot detection, cluster expansion and healing
- Wrote functional specifications and detailed design documents for all work

**Senior Software Engineer**, Oddpost June 2003 — February 2004

Enabled deeper market penetration of the Oddpost web-based email solution. Oddpost was subsequently acquired by Yahoo and is their current well-regarded webmail client.

- Designed and participated in the deployment of a new server architecture allowing Oddpost to scale it's backend in a sustainable manner
- Implemented enterprise-level functionality, enabling Oddpost to license their solution to 3<sup>rd</sup> party vendors
- Developed additional, highly requested features

**Software Engineer Consultant**, Autodesk November 2002 — June 2003

Created and enhanced features for Buzzsaw, an online collaboration and project management tool. Mentored team members in XML and XSLT technologies.

- Increased overall client satisfaction with the Buzzsaw product
- All features completed ahead of schedule

**Principal Engineer, FileFish** November 2000 — May 2002

Led design and development of FileFish's flagship product, an enterprise-level secure remote access appliance. Overall focus of the design team was to create a product that was powerful, yet easy to use, quick to deploy, with a low total cost of ownership.

- Grew engineering team from 1 to 10 people and created team processes
- Completed extensible file server API which enabled faster front-end development
- Quickly developed concrete understanding of wireless and file server markets
- Final gold product delivered on schedule and met all original design goals
- Awarded United States Patent #7,359,933: a method for utilizing dual proxies to enable remote access to protected network applications

**Senior Software Engineer, ThinkLink** November 1998 — June 2000

Designed and implemented the web architecture (n-tiered) and application components for ThinkLink's unified messaging platform.

- Created highly scalable Internet architecture that supported 5 million registered users
- Completed servlet-based template engine that dynamically created HTML via XML/XSL that allowed content/UI changes without changes to code base
- Developed connection pooling system that improved uptime and response time of the Internet architecture by an estimated 80%

**Architect/Engineer, USWeb** December 1995 — November 1998

Led project teams developing eCommerce and other Internet applications for Fortune 100 clients.

- Utilized a broad array of technologies to implement client solutions
- Built a web-based content management system that helped The Coca-Cola Company reduce overall print costs
- Designed and built the original system used by BellSouth.net to provision new accounts. The solution integrated various legacy systems and helped sign up millions of users
- Led the development of a highly customizable, secure Internet commerce engine utilized by USWeb clients nationwide

**EDUCATION**

Rutgers, New Brunswick, NJ  
Majored in Computer Science  
1990 to 1991

Brookdale College, Lincroft, NJ  
Majored in Mathematics  
1991 to 1992