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KEY POINTS

- Group Manager for TurboTax Online, a team responsible for \$1.1b in annual revenue and 20 engineers
- Team Builder: Drove major gains in employee engagement, developer productivity, and hiring practices
- Lead engineer responsible for implementing key system and UI features across Web & Mobile applications

EMPLOYMENT HISTORY

August 2010 - Present **Intuit, Inc.** **San Diego, CA**

Senior / Group Development Manager (promoted in Jan 2014)

- Responsible for development oversight of TurboTax Online, a \$1.1b consumer web application
- Led a team of 20 engineers in the development of JavaScript/HTML5 web and system initiatives using Agile/SCRUM
- Designed services to store and access data stored in a massive Cassandra data cloud
- Guided update of TurboTax Online to a multi-datacenter Active/Active architecture
- Delivered AWS-hosted systems for end-user prototyping and testing
- Led the conversion of TurboTax Online static content hosting to Amazon Cloudfront and S3

September 2008 - August 2010 **Intuit, Inc.** **San Diego, CA**

Staff Software Engineer

- Led the transformation of the TurboTax Online Java stack from Apache Tomcat to Spring
- Implemented scaling strategy for Oracle TurboTax Online database to support over 30m users
- Designed and coded Spring services to provide real-time user information to internal partners
- Implemented highly optimized DB connection and query services
- Developed low-latency internal web services for TurboTax Online that enabled key system initiatives

July 2006 – August 2008 **Eventful, Inc.** **San Diego, CA**

Lead Software Engineer

- Created the search infrastructure for the Eventful website using Apache Tomcat and Lucene, which handled millions of search requests a month
- Introduced Hadoop into Eventful for analysis of customer traffic
- Led database development and architecture, including the implementation of PostgreSQL replication
- Developed a C++ location parser used to target website content to customer location
- Scaled out Eventful backend services using Amazon's EC2 clustering services

August 2003 – June 2006 **Cymer, Inc.** **San Diego, CA**

Lead Software Engineer / Software Manager

- Managed the CymerOnline development team (4 engineers + QA)
- Defined and instituted a series of Agile development practices based on Scrum
- Led development of CymerOnline, a multi-tier SPC and performance analysis application created using Java (Apache Tomcat with Spring and Hibernate) that was sold to end users on Linux and Solaris platforms.
- Conducted CymerOnline sales and information seminars for end users in the United States and Korea

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|---|------------------------------------|----------------------------------|
| January 2003 – August 2003 | Independent Consulting | San Diego, CA |
| <u>Senior Software Engineer</u> | | |
| <ul style="list-style-type: none"> • Lead Developer for UniverSQL, a cross-platform database access library implemented using C and C++ on Windows and Linux; UniverSQL uses XML over TCP/IP to handle database access • Architected and implemented an OpenSSL-based Digital Rights Management solution (Media-S) for multimedia content using C and C++ • Developed a download manager that was rated "Best of Linux" by website software.linux.com • Programmed open source XML parser and database connectivity drivers for Linux and Windows | | |
| June 2000 - January 2003 | MP3.com / Vivendi Universal | San Diego, CA |
| <u>Lead Software Engineer / Software Manager</u> | | |
| <ul style="list-style-type: none"> • Managed a team of 8 engineers in the development of high-performance web applications • Worked to migrate the PressPlay music service from a J2EE/WebLogic implementation to a Linux/Apache based implementation • Programmed Apache modules using mod_perl and C for use under Windows, Linux, and Solaris | | |
| July 1999 - June 2000 | Equinta.com | San Diego, CA |
| <u>Senior Software Engineer</u> | | |
| <ul style="list-style-type: none"> • Created web and system components for a consumer oriented website using XML, C++ (COM/ATL/STL), and Perl on Linux and Windows • Served as system architect for back-end Equinta.com services, using UML and flow charts to design server-side data flow | | |
| January 1997 - July 1999 | DTS Communications | Carlsbad, CA |
| <u>Software Engineer</u> | | |
| <ul style="list-style-type: none"> • Lead developer for Java and C++ Internet solutions for the Real Estate industry on both Windows and Linux • Developed XML-based template ISAPI extension system for efficient Internet-database interaction | | |
| April - September 1996 | Sony Electronics (ADIA) | San Diego, CA |
| <u>Co-op Engineer</u> | | |
| <ul style="list-style-type: none"> • Designed and implemented a Java-based WWW interface for a major Data Storage Product • Implemented a custom SNMP agent on Solaris for a large Sony product | | |
| August - December 1995 | Corel Corporation | Ottawa, Ontario, Canada |
| <u>Co-op Engineer</u> | | |
| <ul style="list-style-type: none"> • Implemented COM Automation among other features for major Corel Windows products | | |
| January - April 1995 & May - August 1994 | Hewlett Packard Canada | Waterloo, Ontario, Canada |
| <u>Co-op Engineer</u> | | |
| <ul style="list-style-type: none"> • Programmed scripts used for testing network management (SNMP) tools and input devices | | |

EDUCATION

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|---|-------------------------------|
| <u>September 2006 – September 2008</u> | <u>Indiana University</u> |
| <ul style="list-style-type: none"> • Graduated with a Masters in Business | |
| <u>September 1993 - December 1996</u> | <u>University of Waterloo</u> |
| <ul style="list-style-type: none"> • Graduated with a Bachelor of Math • Received Descartes Scholarship | |