

EMPLOYMENT HISTORY

August 2010 - Present

Intuit, Inc.

San Diego, CA

Senior / Group Development Manager (promoted in Jan 2014)

- Leader for the UI Orchestration services team at Intuit, a staff of over 40 people (2 managers) who design and implement TurboTax customer facing experiences
- Change leader who drove the decomposition of the TurboTax monolith into micro-services, led the first customer-facing Intuit AWS cloud migration, and introduced Kotlin to TurboTax
- Raised the engagement of my last team from lowest quartile to world class in 12 months, delivering 50% improvements in quality and velocity. Presented managerial best practices across Intuit
- Managed the Electronic Filing team at Intuit, responsible for processing over 100 million tax filings with a staff of 30 engineers
- 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

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 leveraging Hibernate and JDBC
- Developed low-latency internal web services for TurboTax Online using JSON and REST

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
- Delivered automated event validation workflow using Amazon Mechanical Turk

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

January 2003 – August 2003

Independent Consulting

San Diego, CA

Senior Software Engineer

- 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

Lead Software Engineer / Software Manager

- 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

Senior Software Engineer

- 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

Software Engineer

- 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

Co-op Engineer

- 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

Co-op Engineer

- Implemented COM Automation among other features for major Corel Windows products

January - April 1995 & May - August 1994

Hewlett Packard Canada

Waterloo, Ontario, Canada

Co-op Engineer

- Programmed scripts used for testing network management (SNMP) tools and input devices

EDUCATION

September 2006 – September 2008 Indiana University

- Graduated with a Masters in Business

September 1993 - December 1996 University of Waterloo

- Graduated with a Bachelor of Math
- Received Descartes Scholarship