

Chris Ballance

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<https://chrisballance.com>

CAREER OBJECTIVE

Senior Software Engineer / Hands-on Technical Architect

SUMMARY OF QUALIFICATIONS

Driven software developer and leader with twelve years of progressive technical experience. Specializes in enterprise content management and document management for the web. Excellent communication with customers, teammates, and managers allows me to work closely with colleagues and stakeholders to deliver high quality software that meets or exceeds expectations without exceeding project budgets. A mission-critical solution-maker who loves a challenge and constantly seeks improvement. Experienced with refactoring existing software to take advantage of Object Oriented Principles. Effectively leads others as a SCRUM Master using Agile Methodologies. Active and passionate in the software development community. Strives passionately to make the world a better place through better software.

PROFESSIONAL EXPERIENCE

Red Ventures - Team Lead (2016 - present)

- Lead Developer for PCI capture & processing system with transactions in excess of \$100 million /year
- Team lead for major financial partnership
- Mentored team members with regular technical workshops
- Introduced Docker containerization for continuous deployment
- Championed Rancher for container deployment of mission critical systems
- Leveraged .NET Core, Go, Node, and JavaScript while leading three product teams
- Reviewed code and interviewed engineering candidates
- Presented regularly on product status, roadmaps, and deployment plans
- Introduced Selenium automation in lieu of regression or manual testing

Diligent Corporation - Senior Software Engineer (2014-2016)

- Full-stack .NET and Node.JS development, specializing in micro-services, SOA, WPF & Polymer
- Built a secure enterprise collaboration application, Diligent Teams, and released to production in just six months with a team of two other developers using WPF & PRISM 5
- Designed and fully implemented client device and transport encryption
- Improved performance using asynchronous execution and parallel processing
- Worked closely with QA and Stakeholders to prioritize implementation
- Contributed on multiple teams simultaneously to define and improve integration points
- Led development effort for a Windows Store Application proof of concept.
- Optimized server-side conversion to PDF leveraging BCL service workers
- Completed feature requests and bug fixes for a proprietary Enterprise Service Bus implementation using RabbitMQ and Redis for distributed caching
- Leveraged Transactional SQL to improve system performance and reliability

- Completed a major rewrite of our web product for version two of our service platform using Polymer, JS, CSS, NodeJS, NancyFX, and .NET micro-services with Rinjdael payload and transport encryption
- Subject Matter Expert for GIT, TFS, Jenkins, & Docker

Triumph Research Intelligence - Lead Software Developer (2013-2014)

- Led development, testing, and training efforts for the team
- Built and implemented project, code, and deployment management solutions
- Guided planning and development in weekly sprints from concept to customer beta.
- Organized daily SCRUM meetings, tracked progress, removed impediments
- Collaborated with Doctors, Statisticians, and Project managers to develop and implement a proprietary risk assessment algorithm from the ideation phase through deployment to clients
- Worked directly with CEO, CIO, and COO from product planning and development to deployment
- Architected an ASP.NET MVC Azure solution with Entity Framework 6
- Managed a remote development and design team along with an external team of statisticians.

Microsoft Corporation - Software Development Engineer II (2009-2013)

- With my team, developed the content authoring platform for KB system - <http://support.microsoft.com>
- Leveraged emerging machine translation technology from Microsoft Research for 60+ languages
- Expanded machine translation with custom user dictionaries for enhanced translations
- Improved discoverability by optimizing search queries against a SQL database source
- Provided proof of concept for FAST Search capabilities for the Knowledge Base
- Experienced with TFS 2010, TFS 2012, and TFS in the cloud
- Automated nightly builds from base OS to fully deployed application
- Influenced development and test disciplines to enhance adoption of SCRUM, Agile methodologies, TDD, pair programming, virtualization, and programming patterns through hosting workshops, serving on committees, and regularly meeting with customers and stakeholders to evangelize the value of these methodologies
- Extensive experience in cloud computing on Windows Azure and SQL Azure
- Deployment and management of a virtualization environment of 60-70 VMs on 4 HyperV servers
- Participated in numerous mentorships as both a mentor and a mentee both locally and globally

Volvo IT - Technical Lead (2004-2009)

- Technical Lead for Common Web Platform
- Managed an offshore team of Developers in Poland & Sweden
- Introduced Scrum and served as ScrumMaster
- Enterprise web content management using SharePoint 2007 WCM
- Web application development using ASP.NET and C# 2.0 & 3.5
- Extensive performance tuning of web applications and SQL databases
- SharePoint 2003 Development and enterprise document integration with CMS
- Active development on world's largest MCMS installation
- Introduced multithreading and asynchronous processing for efficiency and scalability
- Created detailed proposals, estimates, and proof of concept documentation
- Integrated a custom global news and event portal for Internet and Dealer Extranets
- Implemented Continuous Integration & Automated builds with CruiseControl & NUnit testing
- Supervised development cycle and production deployments for multiple projects
- Recommended and implemented hardware upgrades to save 70% on hosting costs
- User authentication using Active Directory and ADAM along with related web services
- Participated in pair programming regularly within my team and with other teams

- Worked with an elaborate world-class integration of SharePoint 2003 and MCMS
- Responsible for interviewing and evaluating candidates for my team and other groups

R L Vanstory Company - Programmer (2004)

- Designed a loan origination application using VB.NET, ADO.NET, and MS-Access
- Integrated document management into workflow to make client offices paperless
- Troubleshoot issues with a custom CRM used by the lighting sales agents onsite
- Designed a SQL-based reporting system to automate report creation

SimTek, Inc. - Software Engineer (2004)

- Mathematical modeling of a complex thermal transfer system
- Real-time data acquisition and manipulation via thermocouple input
- Assembly and programming of a PLC-controlled industrial drying unit using Omron CX-Programmer 3.2
- Database design and implementation using SQL Server 2000
- Planned and implemented a firewall design using Watchguard Firebox X-series
- Configured secure remote SQL access via VPN for employees
- Consolidated and accounting, project management, and scheduling using SharePoint
- Traveled to remote sites for installations, customer training, & site optimization
- Worked with engineering staff to further improve accuracy of mathematical model
- Assisted engineers in the field collecting data, taking measurements, optimizing processes

Dixon Odom, PLLC - Application Developer Intern (2002-2003)

- Introduced Perl for database processing. Increased processing throughput 1000%
- Created queries and TSQL procedures which synchronized with AS400 tables
- Optimized TSQL to mirror key tables needed for intranet functions on SQL Server
- Designed reports using Crystal Reports and a dynamically updated web-based format
- Created secure ASP.NET peer review system and reporting

EDUCATION, TRAINING, & QUALIFICATIONS

GopherCon, Denver (2016)
 O'Reilly Software Architecture Conference, NYC (2016)
 Technical Speaker, Spark Conference (2015)
 Technical Speaker, Enterprise Developer's Guild Code Camp (2014)
 Biology, University of North Carolina at Charlotte, NC - 3.6 GPA (2014)
 Bachelor of Science in Computer Science, University of North Carolina at Greensboro (2004)
 Mathematics Minor, University of North Carolina at Greensboro (2004)
[Software Craftsmanship North America](#), Chicago, IL - (2012)
[Develop with Passion](#), Calgary, AB (2012)
 Microsoft TechReady, Seattle, WA (2011)
[Certified Scrum Master](#), Scrum Alliance (2008, 2012 recertified)
[Microsoft TechEd](#), Orlando, FL (2008)
 Microsoft Certified Professional - Web-Based Development (2008)
 Microsoft SharePoint Fire-starter Training, Redmond, WA (2008)
 Member of the [Enterprise Developers Guild](#) & Ranking member of [StackOverflow.com](#)

INTERESTS

Vice President of [Charlotte Photography Group](#), Mountaineering (summitted Mt. Rainier 2011),
 Partner at [Flaming Chicken Studios](#), Owner of [Ballance Photo](#), Running, Backpacking, Cycling, [Help Portrait](#)