

Objective

To work as part of a team building, supporting and marketing outstanding Git tools for software developers.

Employment

Microsoft: Senior Program Manager, Visual Studio Team Services (2017 - Present)

Ensure that Visual Studio Team Services users are successful with a DevOps workflow, especially version control. Teach users Git fundamentals and advanced workflows. Promote VSTS to a diverse audience.

GitHub: Senior Software Engineer, Git Infrastructure (2016 - 2017)

Adapted automated rate limiting for Git repository access to GitHub Enterprise (C++, Ruby) and work with Enterprise Technical Support for successful deployments to customers. Developed automatic provisioning software for file servers (Ruby, shell). Optimized Git repository management libraries to improve efficiency of access to Git repositories (C, Ruby).

Microsoft: Senior Software Engineer, Visual Studio Online (2009 - 2015)

Advised leadership on technical aspects of adding the Git version control system to Visual Studio and Team Foundation Server. Led initial implementation of Git server (C#) and continued to manage the low-level implementation of Git client functionality (C). Developed RPC mechanism for analyzing and merging and pull requests using libgit2 (C). Coordinated all usage of Git repository management throughout Microsoft (via libgit2 and LibGit2Sharp projects). Served as a maintainer of libgit2 and LibGit2Sharp open source projects.

Teamprise: Senior Software Engineer, Teamprise Client Suite (2006 - 2009)

Developed cross-platform clients for Microsoft TFS, including standalone tools and a plug-in for the Eclipse IDE (Java, C). Reverse engineered and reimplemented TFS version control and NTLM protocols. Led development of the TFS Remote Accelerator version control proxy (C#) including an RFC-compliant HTTP/1.1 implementation and compatible TFS version control proxy. Assisted with the technical aspects of a successful acquisition by Microsoft.

Illini Media Company: Director of Information Technology (2004 - 2006)

Managed Software Development, System Administration and Radio Engineering groups. Reduced software development costs for web sites and increased advertising revenue. Led upgrade to custom newsroom content revision management system based on K4 (Mac OS X). Managed engineering subcontractors for new IMC headquarters building project.

SourceGear: Software Engineer, Version Control (2000 - 2003)

Developed data storage mechanisms for the Vault version control system, in particular the binary delta and compression algorithms (C#). Worked with Xamarin to port Vault clients to Mono for Linux client compatibility (C#). Developed SourceOffSite Collaborative Edition web server, an HTTP/1.0 web server with server-side JavaScript interpreter (C). Assisted consulting clients supporting Concurrent Version System (CVS). Managed servers (Linux, Windows), build labs, networking (LAN, WAN and colocated servers) and telephony.

Education

University of Illinois at Springfield. Computer Science. No degree (2004)

University of Illinois at Urbana-Champaign. Mathematics and Computer Science. No degree (2002-2003)

Parkland College. A.E.S., Computer Science Engineering (2002)

Publications

Git for Visual Studio (Video Training). Author and Presenter. O'Reilly Media (November 2015)
Professional Team Foundation Server 2013. Contributing Author. Wrox Publishing (May 2014)

Conferences

Adopting Open Source in Your Organization. NDC Oslo (June 2017)
Deep Dive into Git. NDC Oslo (June 2017)
Adopting Open Source in Your Organization. OSCON (May 2017)
Social Coding, Keynote. Ruby World Conference (November 2016)
Continuous Delivery at GitHub. CoDe Copenhagen (October 2016)
Deep Dive into Git. OSCON (May 2016)
Great Artists Steal: Adding Git Support to Microsoft Visual Studio. .NET Unboxed (October 2015)
Great Artists Steal: Adding Git Support to Microsoft Visual Studio. CoDe Copenhagen (October 2015)
Deep Dive into Git. GOTO: Copenhagen 2015 (October 2015)
To Git or Not To Git for Enterprise Development. With Ben Day. Visual Studio Live! Redmond (August 2015)
What's New in Version Control in TFS 2015. Chicago ALM Users Group (July 2015)
To Git or Not To Git for Enterprise Development. With Ben Day. Visual Studio Live! San Francisco (June 2015)
To Git or Not To Git for Enterprise Development. With Ben Day. Visual Studio Live! Austin (June 2015)
Using Git with Team Foundation Server or Visual Studio Online. Microsoft Ignite! (May 2015)
Great Artists Steal: Adding Git Support to Microsoft Visual Studio. Git Merge (April 2015)
Using Git with Team Foundation Server or Visual Studio Online. TechEd Europe (October 2014)
Microsoft .NET OSS Projects Showcase. TechEd Europe (October 2014)
How Safe is Your Source Code? Visual Studio Online Webcast (September 2014)
Deep Dive into Git. That Conference (August 2014)
Hosting Git Repositories in the Enterprise with TFS. TechEd North America (May 2014)
Deep Dive into Git with TFS. With Martin Woodward. \build\ (April 2014)
Cross Platform Development with Team Foundation Server. Microsoft TechReady 17 (July 2013)
Git in Team Foundation Server. Git Merge (May 2013)
What's New in Team Foundation Server 2012. Chicago ALM Users Group (March 2013)
Git and Team Foundation Server. Microsoft TechReady 16 (February 2013)
Using Team Foundation Server for iOS or Android Development. Microsoft TechReady 16 (February 2013)
Agile with Team Foundation Server. With Gregg Boer. Agile 2012 (August 2012)
Java Development with Team Explorer Everywhere. Chicago ALM Users Group (April 2011)
Java Development with Team Explorer Everywhere. TFS Austin User Group (April 2011)
Dangling Links: Cross-Platform Development. The Thirsty Developer (February 2009)
Java Development with Team System. Chicago ALM Users Group (April 2008)

Technical Skills

Languages: Proficient with C, C#, Java, Perl. Familiar with C++, Python, Ruby.

Platforms: Proficient with Windows, Mac OS X, Linux. Familiar with AIX, FreeBSD, HP-UX, Solaris and many other Unixes.

User Interface APIs: Proficient with Java SWT, Windows Forms. Familiar with Cocoa, WPF.

Revision control: Proficient with Git, Team Foundation Version Control, Vault. Familiar with CVS, Mercurial, Subversion.

Network protocols: Proficient with IPv4, TCP, HTTP, NTLM. Familiar with Kerberos, SSH.

References

Available upon request.