

Technical Skills

Skills/Tools	L ^A T _E X, FIX, Java, JMS, maven, PowerMokito, Spring, Jenkins, Design Patterns™, IntelliJ IDEA, Eclipse, Hibernate, h2, XPath, cobertura, AutoCAD, SVN, perforce, subversion
Operating Systems	UNIX, Linux, PowerMAX OS, HP/UX, OpenVMS, Windows, OS X

Professional Experience

Senior Programmer/Analyst Citigroup, Global Derivatives Market Dec 2009-Apr 2013	<ul style="list-style-type: none">○ Created a multi-threaded pseudo-producer-consumer product that provides realtime message reconciliation in conjunction with another department via hooks into the file system to achieve non-busy-wait monitoring, and dynamic, adaptive message resending capability, and provides an elegant solution to keep the firm in compliance with intraday FINRA reporting requirements.○ Designed and delivered a scripting product based entirely on common UNIX utilities from requirements to production in one week that allowed automatic reconciliation of order execution data between disparate systems automatically, complete with emailed report generation in two days.○ Demonstrated understanding of an unstated need and created an inbound-message validation framework that handles the job so cleanly that no feature has been requested of it since its inception. All existing validation was moved to it upon its release despite being unrequested.○ Introduced mock-object testing to a legacy project, complete with concrete, highly domain-relevant examples that allow other developers to easily follow suit with creating their own mock-based tests.
Senior Software Engineer BenefitFocus.com Oct 2005-Dec 2009	<ul style="list-style-type: none">○ Spearheaded a company-wide plan for improving code quality, requirements, the estimation process, and automated build processes, leading to more rapid development on more readable, maintainable, reliable code.○ Introduced unit tests and EasyMock testing to a legacy codebase, providing a guide complete with relevant, concrete examples that improve code quality and unit test coverage while allowing new developers to easily follow suit.○ Consulted with requirements owners to fill in gaps and clarify new requirements so development could proceed with fewer interruptions, leading to more rapid development, increased efficiency, and higher throughput.
Software Engineer MSIS Inc. Fall 2004-Fall 2005	<ul style="list-style-type: none">○ Customized University of Michigan's radmind project for use by the DoD, including bug fixes and performance enhancements leading to 100% improvement in system restore speed.○ Designed and implemented a simultaneous usage tracking algorithm across Unix and OpenVMS systems allowing the client to reduce the number of licenses to actual simultaneous users.○ Optimized legacy usage gathering scripts, leading to a 90% reduction in the amount of time required to run.
Structural Detailer King Brothers Fabricating Inc. Summer 1999-Fall 2000	<ul style="list-style-type: none">○ Created detailed structural shop drawings of structural steel and aluminum components for industrial and residential clients so they could be fabricated in-shop and erected on-site.

Education

Summer 2000 - Spring 2004	Bachelor of Science, Computer Science at West Virginia Wesleyan College GPA: 3.48/4.0 (Overall), 3.7 (CS Major)
---------------------------	--

Projects and Hobbies

Currently	<ul style="list-style-type: none">○ Tinkering with my resumé in L^AT_EX.○ Contributed a patch containing heap size enhancements to the coberuta maven plugin project.○ Hobbies include, but are not limited to: aquatic HIIT, miniature helicopters, reading, video games, cycling, and running
-----------	---
