

James Hollingshead

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SUMMARY

Software developer with 13 years of experience in system analysis, requirements gathering, business analysis, architecture, design, and development for various domains

- Experience in Agile Software Development methodologies and Test Driven Development (TDD) Methodologies
- Experience in writing unit and integration tests using a variety of technologies including NUnit, Moq, Gtest, Gmock, Nose, Sure, and Lettuce
- Experience in developing software in a variety of languages and platforms using TDD practices
- Experience in developing Web applications in C# using ASP.NET MVC
- Experience in Web Development technologies such as HTML, JavaScript, JQuery and CSS
- Experience in SQL programming, database design and implementation
- Experience in developing applications using MVC architecture
- Experience using source code version controls including Mercurial, Git, Team Foundation Server (TFS), and Subversion (SVN)
- Excellent analytical skills with proficiency in debugging, Test Driven Development, and problem solving

TECHNICAL SKILLS

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|--------------------------------|---|
| Microsoft Technologies: | ASP.NET, MVC, WebAPI, C#, LINQ |
| Languages: | C#, Java, Python, SQL, Ruby, JavaScript, jQuery |
| Languages - Deprecated | C, C++ |
| Internet Technologies: | HTML, jQuery, CSS, AngularJS |
| RDBMS/DBMS: | MS SQL Server, MySQL, Oracle |
| Development Tools: | Visual Studio, NUnit, Android Studio, PyCharm, QT Creator, GTest, Gmock, Nose, Sure, Lettuce, RubyMine, Robolectric, Espresso, Dagger |
| Version Control: | Git, Mercurial (hg), Team Foundation Server (TFS), Subversion |
| Methodologies: | Test Driven Development (TDD), Service Oriented Architecture (SOA), Agile, Pair Programming |

PROFESSIONAL EXPERIENCE

Stanley Black and Decker / Mac Tools **November 2016 – February 2018 (Contract)** **Sr .NET Developer**

Mac Tools is a division of Stanley Black & Decker, an S&P 500 company and a diversified global provider of hand tools, power tools and related accessories, mechanical access solutions and electronic security solutions, engineered fastening systems, and more. With over \$10.2B in global sales, Stanley is viewed as a world leader in the marketplace.

Responsibilities and Achievements:

- Architected and develop functionality allowing the business to offer new types of credit to distributors
- Created web services to process sales credits
- Remedied PCI compliance issues in online sales and customer service software
- Hardened web applications against cross site scripting (XSS), unvalidated redirects, and other security vulnerabilities
- Advised on security issues in code.
- Resolved long standing, show stopping issues in legacy codebase
- Architected, Implemented and extended functionality of existing software
- Lead a series of workshops on TDD
- Mentored other developers in TDD practices
- Mentored less experienced developers in clean coding practices
- Advised on scope, timeline and implementation of proposed features, offering alternative approaches in order to deliver more useful functionality in a timely manner
- Aggressively refactored codebase to allow for more readability, less fragility, and to eliminate duplication

Environment: VB, C#, ASP.NET, MVC, Web API, Service Oriented Architecture (SOA), RESTful services, HTML, CSS, JavaScript, jQuery, Visual Studio, TFS, SQL Server, TSQL, Nunit

Digital Management Inc (DMI) **October 2015 – August 2016** **Sr .NET Developer / Tech Lead**

DMI is the world's first commercially integrated, end-to-end mobility organization. The company's unique, integrated approach to mobility has resulted in dramatic growth as well as an expanding client base, which includes hundreds of Fortune 1000 commercial clients and all fifteen U.S. Federal Departments.

US Air Force Research Library SBIR Project **October 2015 – July 2016 (Contract)**

The Small Business Innovation Research (SBIR) program is a highly competitive program that encourages domestic small businesses to engage in Federal Research and Development that has the potential for commercialization. Through a competitive awards-based program, SBIR enables small businesses to explore their technological potential and provides the incentive to profit from its commercialization. By including qualified small businesses in the nation's R&D arena, high-tech

innovation is stimulated and the United States gains entrepreneurial spirit as it meets its specific research and development needs.

Responsibilities and Achievements:

- Wrote test driven (TDD) C# code for an ASP.NET MVC application
- Used Bootstrap for responsive web design
- Worked with client to design and implement user-friendly UI/UX
- Refactored existing codebase to allow for more effective unit testing
- Devised a method to use anti-forgery tokens through AJAX calls without using forms
- Produced code that was compliant with Department of Defense Security Technical Implementation Guides (STIGs)
- Helped lead an agile transformation on the project.
- Lead daily stand ups and sprint retrospectives
- Lead a series of lunch and learn workshops on TDD
- Mentored other developers in TDD practices
- Mentored less experienced developers in clean coding practices
- Interviewed developers for project
- Advised partner company in developing interview processes.
- Advised partner company in planning of other software and DevOps projects
- Groomed and estimated work in Performance Work Statement (PWS) for enhanced functionality to project
- Contributed to the estimation of coding tasks, participated in code reviews

Environment: C#, ASP.NET MVC, HTML, Bootstrap, CSS, JavaScript, jQuery, json, Visual Studio, TFS, SQL Server, TSQL, WCF, Entity Framework, Responsive Web Design (RWD), Service Oriented Architecture (SOA), MS Test, Moq

**Pillar Technology
Software Artisan**

October 2014 – May 2015

Pillar Technologies is a solutions company that focuses on delivering the most valued functionality to the client at an accelerated rate through the use of TDD, code reviews, continuous integration and agile methodologies.

Responsibilities and Achievements:

- Wrote test driven (TDD) Android application using Robolectric, Espresso, and Dagger
- Helped lead “A Day In The Life of Agile” – a workshop that introduces companies to Agile practices and helps apply them to not only code, but other business practices as well.
- Wrote test driven (TDD) Python using Lettuce, Nose and Sure. Cross-compile project supporting multiple architectures and multiple versions of Linux for a Fortune 100 agricultural equipment manufacturer.
- Wrote test driven (TDD) embedded C++ using Gtest and Gmock targeting custom hardware systems for a Fortune 100 agricultural equipment manufacturer
- Contribute to the estimation of coding tasks, participate in code reviews

Environment: C++, Python, Java, Robolectric, Espresso, Dagger, Gtest, Gmock, Nose, Lettuce, Sure, QT Creator, PyCharm, Android Studio, Mercurial, Linux, OSX

JamesHollingshead.com
.Net Developer

May 2013 - Present

This is a redesign of a site originally written in HTML and CSS into a site written using ASP.NET MVC

Responsibilities:

- Defined requirements, architected, and implemented project
- Developed solution using agile methodologies
- Source control initially using Github, later migrated to Git on TFS cloud
- TFS used for issue tracking

Environment: ASP.Net MVC, C#, Bootstrap, HTML, CSS, Responsive Web Design (RWD), Microsoft Visual Studio, Git, TFS

Freelance Software Developer
Software Developer

2004 - October 2014

Provided software solutions to a variety of small and mid-sized businesses.

Responsibilities:

- Gathered requirements, architected and implemented solutions
- Performed presentations of work in progress, gathered feedback, and adjusted development of product accordingly.
- Worked with customers to suggest additional useful functionality.
- Developed solution using agile methodologies

Environment: C#, Asp .NET MVC, MS SQL Server, Java, MySQL, Subversion, Git, and a variety of other technologies

o3 Magazine
Executive Editor/Editorial Advisor

October 2005 - June 2006

o3 Magazine was an open source enterprise magazine which focused on a different topic every month. Topics ranged from rapid web development to security to IP Telephony. All topics covered showed how using open source software could be a benefit for the enterprise by being both robust and cost effective.

Responsibilities:

- Authored an article reviewed as *"a must read for any person who uses a computer for business."*
- Released and promoted a technology magazine read by over 500,000 people in 140 countries
- Coordinated efforts between authors and editors
- Approved articles for publication
- Authored and edited articles
- Represented the magazine at events and in correspondence with user groups

AWARDS

Top 20% of Java developers on CodeEval. Awarded April 2015

Top 10% of C# developers on CodeEval. Awarded April 2014.

Top 15% of C# developers on CodeEval. Awarded March 2014

PUBLISHED ARTICLES

“An Introduction to Linux and Open Source.” [o3 Magazine](#) Nov. 2005: 23-26.

“Rapid Web Development.” [o3 Magazine](#) Dec. 2005: 25-27.

“PostgreSQL.” [o3 Magazine](#) Dec. 2005: 38-40. (co-author)

“Evaluating your Internet Infrastructure.” [o3 Magazine](#) Jan. 2006: 17-19.

“Providing High Performance Web Services.” [o3 Magazine](#) Jan. 2006: 20-22.

EDUCATION

Bachelor of Science in Computer Science

Ohio University – Athens, OH

Computer Science Major

- AI and Operating Systems: created a distributed simulation of a “fish-tank ecosystem” in C/C++
- Network Communications: Implemented TFTP client and a web server in C/C++
- Activities: Ohio University Fencing