

James Hollingshead

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SUMMARY

Software developer with 10 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 Robolectric, Espresso, NUnit Test Framework, Gtest, Gmock, Nose, Sure, and Lettuce
- Experience in developing software in C# using TDD practices
- Experience in developing software for Android using TDD practices
- Experience in developing software using Python using TDD practices
- Experience in developing embedded software using C++ using TDD practices
- Experience in developing Web applications in C# using ASP.NET MVC
- Experience in developing desktop applications using C# and winforms
- Experience in Database access using LINQ, ADO.NET, and Entity Framework
- 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

Microsoft Technologies:	ASP.NET, MVC, 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), Agile, Pair Programming

PROFESSIONAL EXPERIENCE

Mac Tools

November 2015 – Present (Contract)

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:

- Remedy PCI compliance issues in online sales and customer service software
- Harden web applications against cross site scripting (XSS), unvalidated redirects, and other security vulnerabilities
- Advise on security issues in code.
- Implement and extend functionality of existing software
- Aggressively refactor codebase to allow for more readability, less fragility, and to eliminate duplication

Environment: VB, C#, ASP.NET, MVC, HTML, CSS, JavaScript, jQuery, Visual Studio, TFS, SQL Server, TSQL

Digital Management Inc (DMI) Sr .NET Developer

October 2015 – August 2016

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:

- Writing test driven (TDD) C# code for an ASP.NET MVC application
- Using Bootstrap for responsive web design
- Work 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
- Mentor other developers in TDD practices
- Mentor 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
- Contribute to the estimation of coding tasks, participate 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

Manufacturing Company (Confidential due to NDA) 2012 (7 month project)
.Net Developer

This project was for maintenance of an existing inventory control application. Project was created in C# using winforms.

Responsibilities:

- Gathered requirements, architected and implemented upgrades for system
- Designed and developed application using C#, winforms, LINQ, Visual Studio 2010, and SQL Server 2008.
- Performed regular presentations of work in progress and gathered feedback.
- Developed solution using agile methodologies
- Source control using Subversion
- Issue tracking done using OnTime

Environment: C#, winforms, LINQ, Visual Studio 2010, .NET 4.0, SQL Server 2008, Subversion, OnTime

Specialty Retailer (Confidential due to NDA) 2011 (5 month project)
.Net Developer

This project was for the creation of an inventory management system for a small specialty retailer. Program tracked inventory as well as cost, source and in-store price for items.

Responsibilities:

- Gathered requirements, architected and implemented solution
- Designed and developed application using C#, winforms, LINQ, Visual Studio 2010, and SQL Server 2008.
- Performed presentations of work in progress, gathered feedback, and adjusted development of product accordingly.
- Developed solution using agile methodologies
- Source control using Subversion.
- Issue tracking using OnTime

Environment: C#, winforms, LINQ, MS SQL Server 2008, Visual Studio 2010, .NET 4.0, Subversion, OnTime

Union Spring, Chillicothe, Ohio

2009 (2 month project)

.Net Developer

This was a maintenance project on an existing inventory control system written in C# and using MS Access as a database. System handled inventory of raw materials and manufactured parts as well as accounting for scrap produced in the manufacturing process.

Responsibilities:

- Gathered requirements for upgrades
- Designed, architected and developed necessary upgrades.
- Provided suggestions for increased functionality
- Developed custom functions in C# for validating user inputs.
- Developed solution using agile methodologies

Environment: C#, winforms, Visual Studio 2008, Subversion

Antique Shop (Confidential Due to NDA)

2008 (6 month project)

.Net Developer

Inventory control and sales application for an antique shop. System allowed for keeping track of past and present inventory, purchase price, sale price, provenance of item, any repairs needed or made, special notes regarding item as well as information on who purchased the item. Version 2 included the capability to search for previous customers who had purchased similar items in order to make proactive sales calls.

Responsibilities:

- Gathered requirements, architected and implemented solution
- Designed and developed application using C#, winforms, Visual Studio, and SQL Server.
- Performed presentations of work in progress, gathered feedback, and adjusted development of product accordingly.
- Suggested improvements for version 2 in order to facilitate proactive selling of merchandise.
- Developed solution using agile methodologies
- Source control using Subversion.
- Issue tracking using OnTime

Environment: C#, winforms, MS SQL Server, Visual Studio, Subversion, OnTime

Specialty Books, Athens, Ohio

2004-2008 (multiple projects)

Software Developer and Sysadmin

Responsibilities:

- Assisted in the creation and maintenance of a variety of scripts and automation programs written in Perl and Ruby
- Performed various sysadmin duties on a contract basis.

Environment: Ruby, Perl, Linux

Athens Computer and Multimedia Enterprises, Athens, Ohio 2004 (6 month project)
Software Developer

Cross platform calendar application designed to be used in both Windows and Linux.

Responsibilities:

- Gathered requirements, architected and implemented solution
- Designed and developed application using Java, MySql and Eclipse
- Performed presentations of work in progress, gathered feedback, and adjusted development of product accordingly.
- Developed solution using agile methodologies
- Source control using Subversion.

Environment: Java, MySQL, Eclipse

o3 Magazine 10/2005- 06/2006
Executive Editor/Editorial Advisor

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

ILGARD/Voinovich Center at Ohio University , Athens, Ohio 06/2000 - 03/2004
Lead Network Analyst and Assistant Network Administrator

Responsibilities:

- Created IT department
- Supervised and taught less experienced technicians
- Set network security and network usage policies for a network with approximately 200 users
- Created and maintained scripts and programs to automate tasks
- Advised in planning of software development projects

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