

# ROBERT GREINER

*Hi, my name is Robert Greiner and I'm a software and web developer living in the Dallas, Texas area. I enjoy creating software, solving complex problems, and working on teams with other smart and talented developers.*

## PROFILE

I love developing software; it's what I do best, whether it is writing new functionality, creating tests, researching new technology, or working closely with customers to make sure their needs are being met at every stage of development. I am constantly reading and writing about new programming methodologies and techniques. I write code extensively in my free time and have several open source projects. Programming is something that is a huge part of my life, not just my work.

I also believe in a healthy work/life balance. I have several hobbies outside of programming. I play hockey every week in Grapevine, Texas for a team called the Jets. Hockey provides an excellent opportunity to build relationships and improve teamwork and leadership skills. I also enjoy reading. I have recently finished Rework by the insanely smart guys at 37signals and am also working through the Sherlock Holmes collection.

Seth Godin wrote, "If you are going to work, work hard. That way, you'll have something to show for it." I apply this advice as much as possible with every project in which I'm involved. I put a great deal of pride and effort into my work, and that is what can be expected from me every day.

## PERSONAL PROJECTS

**Portfolio Site:** <http://robertgreiner.com>

**Technical Blog:** <http://creatingcode.com>

**Open Source Projects:** <http://github.com/robertgreiner>

**Community Involvement:** <http://stackoverflow.com/users/110088/>

**Presentations:** <http://slideshare.net/robertgreiner>

**Internal Software Quality:** <http://creatingcode.com/quality>

**GitCV Profile:** <http://gitcv.com/robertgreiner>

## Education

**Southern Methodist University - M.S.** 2007 - 2010

*Dallas, Texas*

**Major:** Computer Science

**Focus:** Software Engineering

**Texas A&M University - Commerce - B.S.** 2002 - 2005

*Commerce, Texas*

**Majors:** Computer Science, Mathematics, and Physics

**Minor:** General Business

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**Website** <http://robertgreiner.com>  
**Techblog** <http://creatingcode.com>

## Proficient Technical Skills

C#

Java

jQuery

HTML

CSS

## Other Technical Skills

Visual Studio

ReSharper

dotCover

ASP .NET MVC

ASP .NET WebForms

Ruby

NUnit

Git

Subversion

IIS

Hibernate

IntelliJ IDEA

SpecFlow

Groovy

TDD / BDD

Software and OS

Eclipse

PHP

Photoshop

Windows 7 / 8 / Server

Ubuntu Linux

# ROBERT GREINER

## Professional History



### Southwest Airlines (Contract)

*Sr. Software Engineer*

July 2011 - Present

- Working on a contract basis for Southwest Airlines through TEKsystems where I am responsible for implementing new features on [www.southwest.com](http://www.southwest.com) which accounts for over 90% of Southwest Airlines' ticket sales.
- Implemented new features on [southwest.com](http://southwest.com) using Spring MVC, HTML, jQuery, and CSS.
- Created a relationship with local universities to help identify, hire, and mentor promising software developers.
- Provided leadership to other software engineers in the areas of refactoring, software quality, clean code, and test driven development to other Southwest Airlines employees and contractors.
- Developed a project that assesses the risk of a local developer source code commit in real time to predict potential defects over a range of heuristics.
- Created and implemented new procedures for marshaling the developer check-in processes with Continuous Integration.
- Compiled and presented developer metrics to upper management which provided insight to the performance of a software team and suggested methods for improvement.
- Completed a successful project for the United States Department of Transportation where full-fare disclosure for air fares is required when the user selects a flight for purchase.
- Worked with Senior Management to create and define a Jr. Level developer position.
- Utilized Jasmine to add test coverage to our JavaScript/jQuery code base for [southwest.com](http://southwest.com).
- Led agile development tasks including: daily SCRUM, sprint retrospective, and sprint planning meetings.
- Analyzed and communicated project risks and benefits on an internal code quality initiative.
- Worked on EzRez project which utilized A/B testing for upselling hotel bookings from flights between Love Field and Las Vegas.
- Utilized static analysis tools Sonar and IntelliJ IDEA analyze to gain in depth understanding of the areas of code that need the most improvement.
- Participated in a pilot group to implement Behavior Driven Development to the entire development organization using Java, Groovy, and JBehave.
- Used jQuery, CSS, and Adobe Photoshop to create a new look and feel on the [southwest.com](http://southwest.com) Select Flights Page.
- Contributed new features to an in-house build radiator written in Python/Django that gives developers rapid functional, integration, and unit test feedback after every commit.
- Delivered software releases on short deadlines utilizing Agile methodologies including SCRUM and Pair Programming.

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## *Professional History*



**Autonomy**  
*Software Engineer*  
June 2010 – July 2011

- Worked on a team that is responsible for Interaction Control Element (ICE), a call center agent monitoring application written in C# and ASP .NET WebForms.
- Acted as the lead developer for the ASP .NET component for ICE. ICE Web provides administration functionality that allows users to define applications to monitor, agent events to watch for in those applications, and actions to perform when a particular event occurs.
- Worked closely with Professional Services team members to ensure customers were getting honest and accurate feedback through every stage of a software implementation.
- Implemented advanced options for ICE policies with jQuery to give our customers more robust functionality and more control over how ICE responds to their applications.
- Designed and built user history functionality using ASP .NET and SQL Server 2008 R2 so supervisors can track what their agents are doing in real time.
- Generated Microsoft Excel reports dynamically using ASP .NET GridView controls based on data returned from SQL Server 2008.
- Helped create a new interview process for software developer candidates.
- Built training material for ICE to get new customers, developers, and managers up to speed quickly.
- Held multiple training sessions for off-site employees and customers for ICE.
- Trained and mentored professional service and quality assurance employees for support of ICE.
- Was responsible for developing and maintaining the MSTest unit testing framework for ICE Client and ICE Web.
- Utilized WatiN to create automated functional tests that mimics actual user interactions with ICE.
- Managed IIS and SQL Server 2008 R2 for hosting web applications utilizing Windows Server 2008 R2.
- Helped lead a project to convert our entire product line from .NET Framework 2.0 to .NET Framework 4.0 and Visual Studio 2010.

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## *Professional History*



### **L-3 Communications - Mission Integration Division**

*Software Engineer*

February 2005 – June 2010

- Held a Department of Defense security clearance and several Special Access Program clearances.
- Developed C# applications to automate mechanical engineering tasks such as: plotting parts lists, computing and graphing usage statistics for license servers, making batch software updates to multiple computers, and various other administrative tasks.
- Developed a .NET application to register with Active Directory, retrieve a listing of registered computers, obtain system information for each computer, and generate a SAP-16 computer inventory form to fulfill security requirements for a Special Access Program.
- Wrote a code generator to automatically generate the necessary PHP, XHTML, and MySQL code for new forms in an aircraft maintenance system.
- Developed new functionality for a Distributed Interactive Simulation training system for the US Air Force with Java.
- Designed and implemented a Protocol Data Unit (PDU) collection bin to improve system performance by throttling the creation of new threads.
- Utilized Object-to-Relational mapping with Java and Hibernate.
- Automated Java GUI unit testing with UISpec4J.
- Implemented algorithms in Java to handle 3D aircraft modeling on a 2D map.
- Added key functionality to handle the detection of detonations and collisions between air and land entities.
- Worked as an integral member of a software development team to deliver products on time and within budget.
- Worked closely with cross-functional groups to create and analyze software requirements.
- Designed, implemented, and supported a standards compliant online configuration control system using ASP .NET and MySQL which provides user authentication, digital signatures, database design, and automated email.