

## Mitch Fincher

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**Objective:** Senior Full-stack C# .Net engineer position designing and coding web sites and services using .Net technologies with continuous integration and continuous delivery in an Agile methodology with automated testing.

**Current Tool Stack:** C#, .Net 4.5.1, MVC5, WebAPI, SQL Server 2005/2008, StructureMap, Perforce, TeamCity, Octopus, Jira, TestLink, NUnit, Selenium, Rhino Mocks, CSS3, HTML5, Bootstrap3, and Postman.

**Methodologies:** Agile, Scrum, XP, Kanban, Test Driven Design, Domain Driven Design, Object Oriented Design (SOLID).

Visit <http://www.fischer.org/tips/Languages/csharp.shtml> for language tutorials I have written.

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### Experience:

**Kantar– Austin, TX**

**1997 to February 2016**

For the last 18 years I have worked at the same company which started life as IntelliQuest, then was acquired and rebranded several times. I started as a senior programmer, moved up to team lead, and then to manager. I worked on these projects:

#### **Various Projects:**

“RAPID” is a web API allowing other business units to automate expensive human intervention. This saved money, time and improved quality. I developed a RESTful interface to existing data using WebAPI and MVC 5 with a SQL 2008 Server backend.

“CRV” is a web-based reporting tool allowing outside clients to visualize the progress of their surveys in real time.

- Wrote MVC and WebAPI C# code, NUnit tests, and Selenium tests
- Used the SCRUM methodology including daily meetings, retrospectives, two week cycles, iterative planning, and planning poker
- Utilized TeamCity for continuous integration, Octopus for deployment, Jira for story documentation and StructureMap for Dependency Injection.

“Survey Director” occupied 12 years of my career. It routes web survey takers in real time to the most profitable survey needing their demographics and history

- Survey Director was estimated to make the company four million dollars a year
- I was the Lead Architect/Programmer from the beginning and wrote the original design document from scratch and specified the databases, major software components, state diagrams, and interactions using UML
- Survey Director currently processes 2.5 million respondents per year with 125 million records with data spread across four databases

- Designed the databases, optimized the indexes, scheduled maintenance procedures and wrote programs to monitor performance
- Met original release date
- Wrote a Command Line Interpreter (CLI) to program it through scripts
- Extensive use of Unit, Integration and endurance testing contributed to a high quality product that is still running 24/7. In 12 years, no time has been lost to software malfunction.
- Wrote an Object Relational Mapping (ORM) framework to map C# objects to databases in 2003 (before NHibernate was available)
- Mentored team members in software engineering, object-oriented design, Test-Driven Design, XML, and C#.
- Modeled the system in UML and generated the original base classes in TogetherJ

“Hercules” was an online survey tool that used survey definitions from an XML file, generated HTML pages for surveys, and stored the results in a database.

- Designed the 3-tier web application and database from scratch. Used Java servlets and JSP pages with a SQL Server backend
- Gathered requirements and wrote all design documents
- Led a team of 4 developers and 2 testers to successfully implement that design
- Tested components using JUnit
- Scheduled implementation and testing using Microsoft Project

**Education:**

Certified Scrum Master

Texas A&M University M.S. Computer Science, GPA 4.0. Taught undergraduates.

Texas Tech University B.S. Civil Engineering