

Phone: (714) 277-8308

Email: [raiford@blacksaber.com](mailto:raiford@blacksaber.com)

### Senior .NET C# Software Developer

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I am a senior developer with over a decade of intense development, product and leadership abilities to create long term successful software. Below is a technical summary of my skills and years experience I have with each.

**8 Years – ASP.NET Web Forms / MVC**

**8 Years - .NET / CLR 2.0 – 4.0**

**9 Years – C# language**

**8 Years - WPF / Winforms Windows Clients**

**4 Years - WCF Windows Communication Foundation**

**9 Years – HTML/Javascript/CSS**

**9 Years – UML Concepts**

**10+ Years Full Software Life-cycle**

**10+ Years Design Patterns (GofF)**

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### Senior .NET Software Developer / .NET Technical Architect

I have a passion for designing and developing cutting edge Microsoft .NET Solutions using Windows Applications/Services and Web and Service based interfaces. My focus is on high performance software period!

### Technology Experience

.NET 3.5/4.0 Framework and the CLR using WPF, WCF, Winforms ASP.NET WebForms and MVC	Exceptional Object Oriented Programming Skills, inheritance and interface based designs.
C# 2.0-4.0, ASP.NET, C++, Action-script, Java-script, HTML,DHTML, XML, X-Path, CSS, IIS 6.0, Ajax  IoC,, NUnit test suite, FXCop  UML Designers, Use Cases, Class Diagrams	Design Patterns – Factories, Adaptors, Facades, Proxies, Commands, Mediators, Observers, Strategies, Singletons, Bridges and most others (I use these on a daily basis and very familiar with most common patterns)
MFC, ATL, SDK, COM/DCOM, MTS, TCP/IP, Winsock API, direct HTTP protocol manipulation	DDD - Domain Driven Design (and many Design Patterns recognized by Martin Fowler)
SQL Server 2008, Transact SQL, Stored-Procedures, Linq Entities	SOA - Service Oriented Architecture (very interested in growing in this area)
Model View Controller Architecture Microsoft Application Architecture	ASP.NET Server / User Control & Winform Custom Controls, Infragistics GUI, CSLA Framework Development

A **Microsoft .NET Framework** expert with a strong focus on architecting enterprise level, high performance; scalable web applications.

- 2 Years WPF Windows Clients**
- 4 Years WCF Infrastructure**
- 8 Years .NET Winforms**
- 8 Years – ASP.NET**
- 9 Years - .NET / CLR**
- 9 Years – C# language**
- 9 Years – HTML/Javascript/CSS**
- 9 Years – UML Concepts**
- 10 Years Full Software Life-cycle**
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### **Blacksaber / Skyz Interactive from 1999 – Present as the principle developer architect**

Below is a list of customer sites and projects that I have done work for at Blacksaber / Skyz Interactive. In many cases I will work on overlapping projects depending on the client requirements.

NOTE: All of the projects I work on utilize cutting edge Microsoft .NET Framework components including **C#, Visual Studio, ASP.NET / MVC, WPF, WCF, Linq Entities, Sql Server, IIS, Web Technologies (HTML, Javascript, JQuery, CSS etc.)** All of my projects are done using the best practices and with an eye for, scalability, efficiency, testability and maintainability using good design principles, design patterns, unit testing, load testing and documentation. There are also tons of individual technologies that I use or at least evaluate that are too numerous to name, but include (**Structure Map, NUnit, Mbunit, Castle IoC Container, NHibernate, Spring, FxCop, Infragistics etc.**) it is my passion to keep abreast of new developing technologies.

#### **ForgetMeNot Messaging 2009 - 2011**

[www.fmnssoft.com](http://www.fmnssoft.com)

Developed a reusable framework that interfaces with telecommunication devices. This was a unique project that had to interface with low level "C" API that interfaced with the hardware. I created a Managed .Net C++ layer that interfaced directly to the "C" APIs then used the Managed C++ .Net classes as an interop layer that was then wrapped by a higher level C# API. I also created REST base web services that interfaced with our messaging infrastructure using ASP.NET 3.5/4.0. I also integrated our messaging system to interact with Facebook REST web services. ASP.NET, C#, SQL Server was used for implementation.

#### **SmartReply Mobile Marketing 2008**

[www.smartreply.com](http://www.smartreply.com)

Designed and architecture for a major **SOA implementation using WCF and REST** to expose our internal mobile messaging infrastructure to external clients. This was a large scale project that involved the entire production sales team to collaborate to meet the specific client requirements. My role was the principle architect tasked with the entire rollout. WCF was used extensively to create several layers of services that are autonomous and independently deployable. This project was managed using AGILE SCRUM methodologies with daily standup and regular 3-4 week sprints. Also developed many small projects for customers using C#, ASP.NET, WCF, SOAP, REST, POX Webservices.

#### **Wavetec Vision Systems 2007**

[www.wavetecvision.com](http://www.wavetecvision.com)

Designed and developed a WPF smart client Windows application that ran on a Medical device running on Windows XP Embedded. The implementation utilized C#, C++, WCF, WPF. This application was unique in that it was primarily a 'connected' application communicating with the company servers via WCF to share critical medical data in real-time, but had the requirement of running off-line using cached client data. I used synchronization services and Microsoft Sql Server Compact Edition to manage this process. This software also interfaced with 3 video camera / vision systems to gather measurements of the human eye and then perform complex computations to determine metrics that was then used by the doctor to perform surgeries. Although the application was written entirely in C# 3.5, I wrote an Interop Layer that interfaced with C++/C API to interface with the video cameras. It was also required to move the numerical processing code in an unmanaged DLL to meet the performance requirements.

#### **GameFly Inc. 2007 –2008**

[www.gamefly.com](http://www.gamefly.com) / [www.cheatfreak.com](http://www.cheatfreak.com)

Using ASP.NET 2.0 - 3.5 / Winforms / WPF to develop a high performance social networking site for gamers. Site is a completely custom site using very nice CSS design / AJAX components, Data-Tier, and custom business objects. Much work was done with a data scrapping and data import functionality that pulled live data from many external sources. This site was special in that I was the only developer and had the opportunity to design and develop the entire site independently. I was tasked with interfacing with every level of management to build the requirements. It turned out very nice. Check it out. Also, wrote a suite of tools on the back end to manage the site content and data scraping.

**CKE Restaurants / Neudesic (Carls Jr. Chain)**[www.carlsjr.com](http://www.carlsjr.com)

Using .NET Winforms / WPF designed and developed a suite of Labor Management and Employee Scheduler software that was deployed in over 2000 restaurants. This system utilized Enterprise Architect UML design tool to create a domain / business object model that a team of developer, including myself used for implementation. This system was using Smart Client technology using .NET Winform, SQL Express / Server, Infragistics GUI controls and a complex suite of scheduling software by MindFusion.

**Starwood Hotels / Remotenet Corp**[www.starwoodhotels.com](http://www.starwoodhotels.com)

Designed and developed a dynamic Site Generator Engine to create online registration web applications that is used by Starwood Hotels, Microsoft, and 4 Points to allow event organizers to create their own customized Registration Wizard by defining the ASP.NET forms layout and data definitions in an XML file. This application was unique in that the entire UI was generated from XML stored in SQL Server 2005 as an xml datatype. This was a very complex and ultra dynamic site that was 100% generated at runtime based on the customers XML definition. This application took 4 intense months to complete with a team of 5 experienced developers. One of the most interesting pieces of this project was the ability to create user definable "plugin" types to allow non .NET components to be easily integrated for ex. Flash Movies, Java Applets, and PDF files were just some of the pluggins. Heavy Url rewriting was done for this project as a last minute addition. Due to the way our site managed links, this was a very easy addition.

**Northrop Grumman / Remotenet Corp**[www.northropgrumman.com](http://www.northropgrumman.com)

Lead Architect in designing an abstract document management interface layer that allows Northrop Grumman's existing infrastructure to generically communicate with several Document Management Systems, including Sharepoint, OpenText (Hummingbird API) & Custom SQL Server Data Stores. The objective of this design was to allow Northrop to develop existing and future applications to code to this generic interface while allowing data stores to be easily changed with absolutely no coding changes. This design utilized almost all the GofF design patterns, but most impressive subsystem used a strategy like pattern that allows a new Data Store provider to be plugged in with a simple change to an Xml configuration file much like the .NET Provider model. The implementation of this system will be executed by a team of 4 senior developers and 2 junior developers.

**House of Blues Corporate**[www.hob.com](http://www.hob.com)

Designed, Architected and developed a SMS Text-Messaging / Email alert system that interfaced with ASP.NET C# 2.0 and Microsoft Commerce Server and Sql Server. This system allowed web users to set up alerts online and define criteria as to when to receive alerts for an event or performance. Also create a C# 2.0 Windows Service / Console Alert Engine that monitors several points of the system to make decisions on who, when and where to send alerts. The windows service was run on a dedicated server that monitored the system 24/7 and sent batches of alerts every 60 seconds. This system required the ultimate scalability and sent hundreds of thousands of alerts at any given time. Within hours of going live we had over 1000 requests for alerts which quickly grew to millions! Marketing was very happy with this solution and the value it provided them as we finished this 2 months ahead of schedule!

**Fandango - Movie Tickets Online**[www.fandango.com](http://www.fandango.com)

Architected, Designed and developed major web components for the complete .NET implementation of the largest movie ticket supplier in the nation. Designed and coded re-usable ASP.NET User Controls and support classes that interface with a very complex Business/Data Access Object Tier that included custom cache objects, error handling components and transactional e-commerce components. SQL Server and Stored Procedures were used as a data store in addition to direct data feeds from theaters around the nation. Client side XHTML, XLST, and custom server side ASP.NET was used to glue the system components together. This is an ultra high traffic enterprise site that has thousands of concurrent users at any given moment that used heavy caching technologies to ensure the data loads were met. This project was completed under very heavy scrutiny by the company owners and in the end, deployment went very smooth.

**Cerasource Semiconductor**

Using Winforms infrastructure, Webservices and Web Forms, I worked with my customers to design and architect a world wide semiconductor distribution system. Using many technologies I crafted an infrastructure to integrate with various systems, including Web Services, Email parsers, XML formatters and hundreds of interfaces to connect to distribution companies around the world over the web. Most Distribution companies have a proprietary interface that I had to write adapters for to consolidate over 1,000,000 line items of semiconductor stock from 20 countries around the world. This was one of the most complex system I have been challenged with. This application was never ending and I spent over 2 years updating it to meet the current customer needs.

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## Professional References (From Linked In)

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“I had the pleasure to work with Raiford for several months on a web services project heavily punctuated with a series of tight deadlines. He is master at engineering unlimited possibilities out of nothing - and so swift and clean that he makes complex deliverables look like cake. In a team environment he is highly collaborative, resolute and nurturing of the talents in others. Overall, Raiford hits the "A" list for team orientation, engineering savvy, work ethic, attitude and communication skills. I hope to cross project paths with him again soon.”

[Carol Barger](#), Senior UI User Experience Engineer, RemoteNet Corporation

“Raiford has enormous experience in the world of software development and a wealth of knowledge from the many diverse projects he has worked on. Coming from the world of C++ he is now a master C# coder as well as a highly capable application architect. He has a positive, problem-solving attitude and easy-going personality. We brought Raiford onboard last year to help us with a challenging project that was already underway and he came up to speed in no time flat. He jumped in wherever we needed him, worked late into the night when we were up against deadlines and took the time to mentor the junior programmers on our team.”

**Top qualities:** Great Results, Personable, Expert

[Keith Fieldhammer](#), Director, Consultant, Giant Software, LLC

“If you throw Raiford into the forest with nothing but a stick of gum and a band-aid, somehow he will be able to build you a rock solid application. He is the McGyver of software and web development, always finding the optimal solution given strict parameters. His creative problem solving is tempered by a solid foundation of project management, so he is able to keep a razor-sharp focus on requirements, time/budget, and results. If you are lucky enough to cross swords with Raiford, take the opportunity to work with him.”

[Derrick Chiang](#), Consultant

“Raiford is a team player with a solid attitude and interest in the clients he works with. When an unexpected change in leadership occurred on a project, Raiford very capably stepped in and mentored the other members of the team, communicated promptly those areas he considered at risk, both to the client as well as to me. As a result, the project moved forward with fewer interruptions and greater client satisfaction. A pleasure to work with.”

[Lesley de Lugo](#), Sr Account Manager, Neudesic, LLC

“I got a chance to work with Raiford at a high profile Client in Orange County California. Raiford is a very experienced and seasoned C# .Net developer with a solid C++ foundation. I have seen him architect and develop an Application from the ground up in an Agile Environment with utmost ease in working with the Business experts and his team. He was also instrumental in coaching a couple of junior developers in his team. During the course of the project execution he was responsible to gather requirements, architect the Application and develop it with a team under him. He had absolute clarity in entire execution of the project from requirements gathering to development, He was very adept at performing at different roles during the project execution and easy to work with. At the end Raiford had delivered an excellent product on Time, I would certainly recommend Raiford to my Clients. Jimmy Koyan – Project Manager for Xpanxion.”

[Jimmy Koyan](#), Consultant, Xpanxion