

Simon Harriyott

I am an experienced, agile **contract software developer** and internet developer. I enjoy creating useful and easy-to-use programs and websites using **C#** and **ASP.NET**. I use many different technologies, such as **SQL Server**, **HTML** and **CSS** to design and develop appropriate applications. I write a tech blog, and am actively involved in the tech community.



Personal Details

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- BSc (hons) in Computer Science from Exeter University.

Skills Summary

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|-----------------------|---------|--------|----------|-----------------|----------|
| • C# / ASP.NET | 5 years | • HTML | 11 years | • Visual C++ | 4 years |
| • SQL Server | 6 years | • TDD | 3 years | • Ruby on Rails | 2 months |
| • ASP | 5 years | • CSS | 3 years | • AJAX | 1 year |

Contract Roles

Dot Tourism: November 2009 –

Created a website for a County Council's guided walks scheme, using **ASP.NET MVC**, **NHibernate**, **SQL Server 2008** and **Castle Windsor**. I used the geography functions of SQL Server and some mapping APIs to find walks in nearby areas and display them on a map. I wrote unit tests in **NUnit**.

Community Sites: June 2009 –

I worked on their proprietary **ASP.NET C#** CMS, adding an RSS feature to notify subscribers of updates to the site content. As there was no source control, I created a **github** repository, and trained the team to use it.

I added a module to query a remote web service and integrate the results into the CMS, creating the appropriate categories and pages.

Revenue Plus: July 2009 – September 2009 (1 extension)

I worked on a large **ASP.NET** travel booking system, adding features, fixing bugs and improving performance of the site. My first task was to speed up a page that was taking over 45 seconds to load, and with judicious use of the **SQL Server Profiler**, caching and refactoring, I reduced this to between 1 and 2 seconds.

KJR: October 2008 – April 2009 (2 extensions)

I worked on a major project for a multinational engineering company, writing software used to configure their extensive range of hardware controllers. Due to NDA, I cannot give more details.

Cubeworks: August 2008 – November 2008 (1 extension)

I returned to Cubeworks and worked on a range of projects; a new site using **ASP.NET MVC** and the N2 CMS, managing an offshore developer, implementing a web analytics package, and improving the **C#** ASP.NET UK charity site I worked on during my last contract. Cubeworks use SCRUM processes.

Watford Football Club: January 2008 – August 2008 (2 extensions)

Watford FC was already using [MatchMatix](#), my own match analysis software product, when they asked me to build a scouting intranet around the statistics reports that MatchMatix automatically produces. In addition to player analysis, the intranet tracked the recruitment process for players the club wished to buy, and monitored the press using RSS feeds. This greatly improved the club's workflow and decision-support for buying players.

I wrote the intranet in **C#** and **ASP.NET v3.5**, using **SQL Server** for the database and **Linq** to SQL for the database layer. I was the only person on the team, so I captured requirements, designed the

interface and database schema, coded the intranet, deployed, project-managed and maintained the intranet single-handedly. I used **NUnit** for test-driven development (TDD).

Cubeworks: October 2007 – January 2008 (1 extension)

As an **ASP.NET** developer, I was part of a team working on a Christmas site for a major UK charity. The project involved **jQuery**, **SubSonic** and **UFO**, in addition to the usual **C#** and **SQL Server** code. Source control was carried out with **Subversion**. Once this site was finished, I was implementing a new ASP.NET site to enhance the company's hospitality management product. I designed the wireframes and database schema before coding started, and I used **Visual Studio 2008**, **jQuery**, **SubSonic** and **Subversion** in the project. Cubeworks use SCRUM processes.

Madgex: August 2007 – October 2007 (1 extension)

I was working on an **ASP.NET** job board derived from the code-base for the [Guardian job site](#). I introduced resource files to ease future customisations. I integrated the existing **C#** code with the **HTML** and **CSS** designs, and added additional functionality to the **C#** code-base where necessary.

Friday-Ad: March 2007 – July 2007 (1 extension)

My first task was to implement [ClickCars.co.uk](#) with three other developers. The site was written in **ASP.NET 2.0** with **C#** and **SQL Server**, using **CSS** for the site layout, and stored procedures for the dynamic elements of the site.

My second task was to design and implement a framework for a "white label" classified adverts website. Many sites will be run from the same code-base, with ASP.NET themes being used to vary the look and feel between sites, and SQL Server for content management and serving the adverts. I was responsible for deciding the requirements, writing the spec, database design, some of the project management tasks, and implementing the stored procedures, **C#** and **jQuery** code and ASP.NET web pages with one other developer.

MatchMatix

July 2006 – Present

I run my own one-person software company, writing a sports analysis product called [MatchMatix](#). MatchMatix is used to analyse individual players and the entire team whilst the match is in progress. Reports are generated in real-time, and can be viewed across a network, including the touchline! This allows the manager to make informed decisions based on the current state of a match. MatchMatix is being successfully used at Watford FC, and being customised for use at Manchester United. I am developing MatchMatix in my spare time, and between contracts.

I've written MatchMatix in **C# .NET 3.5 WinForms**, using **Linq**, **NUnit** for TDD, and **WPF** for some of the controls.

Permanent Employment

EurotaxGlass's: 2004 – 2007

I was a senior developer working in a **TDD** team on a Windows Forms application for the car insurance industry, using **C#**, **SQL Server** and **XML**. I also developed a reusable ASP.NET application framework using master pages and **CSS** for their web products. I used XML for configuring menus and navigation.

During the project, I recommended and implemented a build machine with **MSBuild**. This improved the quality of the software, as the latest code checked into SourceSafe is compiled, and the unit tests are run several times per day. Errors and failing tests are emailed to the developers immediately, reducing the integration and bug fixing times.

I recommended and installed a wiki to improve team communication and project documentation. This was hugely successful, particularly with implementation notes which the development team update regularly. I introduced the CodeSmith code generator to save development time writing repetitive code.

I gave presentations to around 20 people on a couple of occasions, and initiated visits to customers to understand their working practices to feed back into the product. I established a reputation as being the company "geek", as my colleagues regularly asked me for help, as I work out technical solutions quickly, and often recommend tools to improve working practices.

Atkins (previously Boward): 1998 – 2004

Airports

I designed and implemented an **ASP.NET** intranet and **C#** programs for an FM contract at Manchester Airport, to collect remote maintenance request data for an intranet. As the only person working on the project, I successfully managed the frequently changing requirements, and ensured that the solution was simple for the computer illiterate users. This successfully replaced a paper system and improved service and financial data for the contract.

Utilities

I maintained and improved a large Access database, which prioritised pipe repair schemes for Southern Water. When I took over the database, I redesigned the tables into a relational structure, which highlighted much missing, duplicated and inaccurate data, which I corrected. I managed the customer's new requirements, and provided estimates to achieve a satisfactory balance between features and cost.

Rail

I was part of a team of four writing a major internet-based maintenance package for Network Rail. The software collected **XML** messages from various track-side condition monitoring systems, and fed the messages into an **Oracle** database. The intranet paid for itself within 1 month of installation due to dramatic cost-savings.

Commercial

I designed and implemented part of a shop-floor intranet for United Biscuits to use at their McVities and KP factories. This collected production data which was used to improve the quality of the products, and to reduce costs and wastage. This is now being used on several factory sites.

APV: 1996 – 1998

I worked OGS, their proprietary SCADA package, which was written in C and **Visual C++**.

Geodetic: 1995 – 1996

I wrote control software for a milling machine, including a state machine and PLC driver in C for QNX.

Open Source

OpenPlaques.org: May 2009 -

From attending Open Hack London 2009, I've been involved in OpenPlaques.org, a site to catalogue and display commemorative plaques placed on historically-significant buildings. The site is developed in **Ruby on Rails**, and I've added various functionality, including search, and **Flickr API** integration. I've also been moderating the site; photographing and transcribing plaques and adding them to the site, and liaising with other plaque photographers.

Interests

When work stops, I'm still interested in programming and technology. I founded Sussex Geek Dinners, which gathers around 30 people for a meal, a presentation, and lively technical discussion. I attend other geek dinners in London, many technical events in Brighton, and weekend developer days (DDD) at Microsoft in Reading. I write a popular [technical blog](#), and read many other blogs and technical sites.

I am a keen musician, playing drums, guitars, bass and keyboards, and I also sing. I've played in several bands, and I'm the musical director for my church's band.

My wife and I are property developers, having bought, renovated and sold two additional houses within four months each, making above expected profits on both properties.