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Profile

I am a highly motivated and dedicated developer with proven experience leading a team in delivering high quality products. My primary focus is the .NET Framework and web technologies, I am at the same time versatile and am able to adapt and explore solutions in other areas of the development spectrum.

Focusing on developing reusable, maintainable, secure and scalable systems, I have a track record of producing both standards based and highly innovative solutions to fulfill business requirements. I have worked with stakeholders to develop requirements, produced technical specifications and managed the entire lifecycle of applications.

My passion is technology, and I am always focused on furthering my knowledge and that of others that I work with.

Key Achievements

London Olympics 2010

I am in the progress of designing and building a complex, real-time ticketing web application for a high profile client. This is a huge challenge as I continue to coordinate the development of our other web products simultaneously.

Euro 2008 & Cricket World Cup 2007

Working to tight deadlines, I delivered successful applications for these two tournaments, offering general public ticket sales. Under pressure and with unclear and constantly changing requirements, building a flexible system in an agile manner was a must. This was also an opportunity for us to stretch the scalability and performance of the system as far as we could.

PCI & PA-DSS 1.2 compliance

As part of my lead developer role, I have been key in helping preparing Ticketmaster Systems for PCI-DSS compliance, which is a key achievement in both software design and establishing both development and operational procedures to comply with the rigorous nature of the accreditation.

Jaguar Advanced Cruise Control

As leader of our final year university project we successfully worked with Jaguar on assisted driving technologies that they were developing, involving radar tracking, video analysis and electronic control systems - resulting in the second highest mark in the year.

Skills

- .NET Framework / C# 3.5 (investigating 4.0)
- ASP.NET / HTML / CSS
- Javascript / JQuery
- Microsoft SQL Server / T-SQL / database design
- LINQ-to-SQL and other ORMs
- WCF / Microsoft Message Queuing (MSMQ)
- Subversion / Mercurial source control
- MSBuild / TeamCity continuous integration
- Prior experience in C / C++ / Java / embedded assembler

Team Lead

My latest role involves leading a team of four developers and a designer in the expansion of the company's web based products. This involves being in constant contact with stakeholders, as well as managing the resources of the team effectively. An added challenge is that most members of the team are based remotely.

Innovative Solutions

I have continuously been the source of innovative solutions to difficult problems on all projects that I have been involved. Ranging from a novel integrated CMS that allows secure changes to text and images on live ticketing sites by box office staff, to a dynamic graphical seating chart that responds to real-time changes in stadium availability based on nothing more than graphical images that a designer can produce.

Open Source

I am maintainer of a lightweight AJAX framework for ASP.NET that was practically an abandoned project. Where possible I try to find spare time to work on this and make it a viable alternative. I am a firm believer in the use of open source code in the appropriate circumstances.

Experience

Sep 2008 – Present **Ticketmaster Systems Ltd, London** *Lead Developer*

I have recently transitioned into a leadership role, with which I have built a team to support both the existing core web based products, and to allow us to take on more work from the business.

On top of my design and development duties from my previous role, I have been key in establishing coding guidelines, instilling good design practices through regular code reviews and ensuring knowledge transfer between both members of the team and other groups. In coordination with the QA team, we are shifting our focus towards making projects more testable by automated means, primarily through XUnit based unit tests.

Oct 2004 – Sep 2008 **Ticketmaster Systems Ltd, London** *Senior Developer*

Synchro Systems offered me relocation to their London operation with Ticketmaster which I accepted, continuing to report to the Product Development Manager in Newcastle-under-Lyme. I was charged with rescuing their web based ticketing system which was inadequate when faced with load of any kind in its existing state.

This involved a total redesign of the architecture with a staged re-write of the system to allow it to scale to the needs of the business. This was a total success and the product has evolved under my guidance to serve the online ticketing needs of many Premiership League football clubs, rugby/cricket teams and other high profile organisations.

The system is highly distributed and employs a range of technologies including SQL Server, ASP.NET, memcached, MSMQs and custom socket communication. Flexible integration with other systems has been a constant requirement, for example the ticketing system can utilise one of six different card payment providers and one of three direct debit systems depending on the operational situation.

Oct 2003 – Oct 2004 **Synchro Systems Ltd, Newcastle-under-Lyme** *Developer*

During university I supported myself by working at a local firm as an office temp. This opened opportunities for me as my talents were soon recognized and I was moved to the development department. I also worked on reporting systems for the Athens Olympic Games & other high profile clients.

Jul 2003 – Jun 2004 **OneStop Media Services, Newcastle-under-Lyme** *Contractor*

Worked independently as a contractor for the company, developing a marketing database system from scratch. High level of customer satisfaction with a system that closely integrated with their workflow and worked in their Apple Mac dominated environment.

Education & Awards

2004 **Microsoft Student Partner (MSP)**

2001 – 2005 **The University of Birmingham**
1st Class MEng (Hons) Electronic & Software Engineering

1999 – 2001 **Grove Sixth Form College, Market Drayton, Shropshire**
A-Levels: Mathematics (A), Physics (A), General Studies (A), Geography (B) & Further Mathematics (C)