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PERSONAL PROFILE

Have considerable development and technical architecture experience on enterprise applications with web and desktop clients, public facing websites and mobile applications, as well as leading teams and mentoring other developers. Main technical focus is with .NET technologies both at work and outside where I am a member of a number of local .NET user groups and blog at <http://www.spt-development.com/blog.html>. My wide skill set and flexibility mean that I also have commercial experience of other non-Microsoft technologies including iOS and Java development.

Currently looking to provide technical architecture, software consultancy and development services through SPT Development. The technologies and platforms these services can be provided for include, but are not limited to:

.NET – C#, ASP.Net (MVC & WebForms), WPF, Silverlight, NHibernate
Java – JEE, Tomcat, JBoss, Red5
iOS – iPhone/iPad development
SQLServer – 2000/2005/2008

WORK EXPERIENCE

HESA – Software Consultant

Feb 2013 – Present

- Lead developer on an Agile project to replace the agencies core data collection and validation system with one built to run on Windows Azure.
- Architected and developed an ASP.NET MVC 4 web application deployed as an Azure web role for defining data validation rules.
- Made extensive use of knockout.js to produce very complex and responsive user interfaces used for building up business rules.
- Developed worker roles for asynchronous processing such as sending email and importing and exporting Excel spreadsheets with Open XML SDK 2.0 for Microsoft Office.
- Utilized SQL Azure, queues, BLOB and Table storage.
- Built a real-time notification system using SignalR.
- Utilized frameworks such as NUnit, QUnit, Sinon.js and Rhino Mocks in order to carry out Test Driven Development.
- Worked to strict ISO9001 and ISO27001 compliant processes.

SoGlos.com – (P/T) Lead Developer

Mar 2012 - Present

- Responsible for developing all of the new functionality added to the ASP.NET site for the September 2012 re-launch in order for the site to make better use of its data such as event and venue listings.
- Worked closely with a design agency to integrate the HTML5/CSS3 templates they provided for the new look and feel of the site.
- Made extensive use of jQuery to implement functionality such as the Twitter and Instagram feeds.
- Upgraded the site from ASP.Net 2.0 to ASP.Net 4.0.
- Re-architected large parts of the presentation layer to facilitate the long-term aim of migrating to ASP.Net MVC.
- Introduced ASP.Net Web API for use with AJAX events to dynamically populate drop-downs etc.
- Solely responsible for the ongoing development, maintenance and support of this site.

ICON.net – (P/T) Lead Developer

March 2013 – April 2013

- Developed <http://searchtool.gloucestershiremusic.co.uk> using ASP.NET MVC 4.0 backed by a SQLServer 2008 R2 database.
- Made use of knockout.js and jQuery to provide a complex and responsive feeling user interface in particular in the admin section of the site.
- Used a wide range of open source frameworks including Castle Windsor, Fluent Validation and Dapper.
- Worked closely with the business analyst to understand requirements and made recommendations with regard to design of the system, in particular around security.
- Developed a javascript widget for embedding the search tool on third-party websites.

Pactable – Software Consultant

Feb – May & Nov – Dec 2012

- Technical lead solely responsible for the entire software development life cycle of this web based startup.
- The site, which is used to encourage children to read, is built on ASP.NET MVC 4 and deployed to Azure.



Windows Developer



.Net Framework 2.0
Windows Applications

- Developed a worker role for asynchronous processing to aid performance and scalability of the site.
- Utilized SQL Azure, queues, BLOB and Table storage.
- Implemented an SMTP server deployed to a worker role for receiving emails to update site data.
- Made use of various open source libraries including Castle Windsor, Dapper and protobuf.net.

Various Positions

Jun 2000 – Nov 2012

- For details of positions held prior to November 2012, please see the appendix.

EDUCATION / QUALIFICATIONS

Microsoft Certified Professional Developer

- Windows Developer

Microsoft Certified Technology Specialist

Apr 2008

- .Net Framework 2.0: Windows Applications

Sun Certification

Aug 2006

- Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0

University of Manchester

1997 – 2000

- First Class Bsc (Hons) in Computer Science

Pershore High, Worcestershire

1991 – 1997

- A – Levels – Maths A; Physics B; Computing C; General Studies C
- GCSEs – 9 Subjects including Maths (A*) and English Language (A)

TECHNICAL SKILLS SUMMARY

Programming languages

- C# .NET – development of a number of enterprise applications, content management systems and websites.
- Objective C – iPhone application development.
- IronPython – used to define the business processes within a project management system.
- Java – numerous integration and web based projects.
- C – development and maintenance of Intellect and numerous projects at Logica (see appendix).
- SQL – wrote T-SQL stored procedures at Trigger and embedded SQL on numerous projects at Logica.

Web technologies

- ASP.NET (WebForms & MVC) – designed and developed www.auditionbooth.com and a number of CMS's.
- Silverlight – integration of the pivot viewer enhanced search into www.auditionbooth.com.
- HTML/CSS – various web based projects including www.auditionbooth.com and www.soglos.com.
- Javascript/jQuery – made extensive use of jQuery on www.auditionbooth.com.
- Web services – wrote web services using Java and C#.
- Flash/Flex – Audition Booth video recorder.
- JSF 2.1 – Greenlife Water CRM system.
- Servlets and JSP – Intellect's web front-end.

Databases and related technologies

- SQLServer 2000/2005/2008 – SQLServer was used for numerous projects at Trigger and Audition Booth.
- NHibernate – persistence layer for an N-tier enterprise application and Audition Booth.
- MYSQL – used as the database for an online customer services web site.
- EJB3 – made use of embedded EJB3 for a file processor.
- Informix – Orange's billing system
- Oracle – scheduler interface database and a 6-day Oracle training course.

Other

- Windows Azure – designed and developed a new start-up website specifically for Azure.
- IIS – deployed various ASP.Net projects to IIS.
- JBoss – Greenlife Water's CRM system runs in JBoss.
- Red5 – the www.auditionbooth.com flash based video recorder, is backed by Red5.

References

Available on request or alternatively view recommendations on linkedin.com:

<http://www.linkedin.com/profile/view?id=133573676#recommendations>

APPENDIX

WORK EXPERIENCE - CONTINUED

Greenlife Water – Software Consultant

May – Nov 2012

- Code reviewed a CRM system being built on JEE/JSF 2.1.
- Took over development from the previous ISV.
- Introduced a number of Seam 3 modules including Seam security for implementing authentication and authorization.
- Migrated from postgresql to SQLServer at the request of the client.
- Other technologies used on the project include Hibernate, JPA, Maven, JUnit and JBoss 7.1.x.
- Recruited and managed additional development resources in order to meet the needs of the client.

Invitation Digital Ltd – Lead Developer/Architect

Nov 2011 – Feb 2012

- Re-architected and refactored the ASP.NET back-end to aid maintainability and facilitate future growth of the Voucher Cloud business.
- Converted in-memory caching strategy to distributed cache, using AppFabric.
- Utilised MongoDB for the purposes of geo-location as part of a longer term, migration from SQLServer.
- Worked on a suite of nearly 500 unit tests to take them from a 50% to 100% pass rate to aid the refactor.

Trigger Software – Lead Architect

Aug – Nov 2011

- Lead architect for a WPF application used to manage processes within the health industry.
- Developed a WPF framework based on Prism 4 and MEF.
- Developed a server side framework based on WCF, Agatha to provide the request/response service layer and NHibernate.
- Utilised Fluent Validation for .Net to write validation rules once and re-use both client and server side.

Infusion – (P/T) Software Consultant

Aug – Nov 2011

- Supplied consultancy services and hands on development to help turn the Audition Booth platform into the Personif product.
- Migrated from ASP.Net MVC 2.0 to MVC 3.0.

Infusion – Software Consultant / Team Lead

Feb 2010 – Aug 2011

- Lead developer for the design and development of <http://www.auditionbooth.com> for which Infusion were named Web Development Partner of the Year (2011) by Microsoft.
- Audition Booth was built on ASP.NET MVC 2.0, the S#arp Architecture and NHibernate and allows users to submit auditions directly to casting directors.
- Responsible for the architecture, design and implementation of key areas of Audition Booth such as the auditioning process and show specific sub sites on the public site and searching on the casting site.
- Improved client side performance 10-fold by using best practices such as reducing the number of requests a page makes and utilizing frameworks such as Combres.
- Saved the project 10's of thousands of dollars by identifying AppFabric as a viable free alternative to NCache and successfully implemented it as the sites second level cache.
- Integrated Pivot, a cutting edge business intelligence tool built on Silverlight, into the casting site out of business hours. Known as "enhanced search" this feature became one of the sites "killer features" and a must show feature in sales meetings and demonstrations.
- Developed a flash component for recording video, backed by the Red5 media server.
- Introduced HTML5 to enable the sites video content to be played on mobile devices such as the iPad.

Trigger Software – Head of Engineering

Aug 2005 – Feb 2010

- Technical lead for the design and development of a project management application that integrated with Microsoft Project Server 2007. The project life cycle was configured using IronPython.
- Designed and developed version 1.0 of the SuperDry iPhone application.
- Responsible for the development and maintenance of Beyond, an ASP.NET CMS.
- Designed and developed QMIS, an N-tier CRM system written using C#. Web services provide the interface between the client and server and NHibernate is used for the persistence layer above a SQLServer 2005 database. The client is deployed using Click Once.
- Technical lead for the development of a radioactive waste management enterprise application using the same architecture as QMIS.
- Developed a tool to deploy over 100 web sites, which previously took 30 minutes per site to do manually.
- Developed the Java back-end for a corporate review Rich Internet Application (RIA) written using Flex.
- Technical team leader for an online customer service web site, for the UK's largest part-work publisher. Technologies used on the project include Java, embedded EJB3, Seam and web services.

- Developer of a file processing system required to provide an interface between SAP and a third-party CRM system. Written using Java and embedded EJB3.
- Lead Developer of a RIA for a large publishing company. Front-end written in Flash ActionScript communicating via Flash Remoting to Java servlets.

Cognition Solutions – Senior Developer/Team Leader

Jun 2002 – Aug 2005

- The use of Servlets and JavaServer Pages for the development of a web front-end for a legacy accounting and facilities management product (Intellect).
- Ongoing development of Intellect using C.

Logica – Software Consultant

Jun 2000 – Jun 2002

- Various projects developing in C for numerous blue chip companies such as Orange and British Energy.

FREELANCE WORK EXPERIENCE

Freelance – iPhone Developer

- Designed and developed iFleet Mobile a fleet management iPhone application for the service industry.
- iFleet Mobile integrates with TomTom's WEBFLEET.connect interface to provide real-time positioning of your vehicles, messaging and order viewing.

Freelance – ASP.NET Developer

Jun 2009 – Feb 2010

- Sole developer for the online magazine <http://www.soglos.com>, responsible for maintenance and development of new functionality.
- Development includes the dynamic events calendar (<http://www.soglos.com/gloucestershire-events>) and the corresponding widgets developed using the Clear Spring platform (<http://www.soglos.com/widgets>).
- The site is developed using ASP.NET 2.0 and SQLServer 2005 as well as making extensive use of JavaScript, AJAX and CSS.

Apress – Technical Reviewer

Jun – Dec 2009

- Technical reviewer for the highly acclaimed "Ultra-Fast ASP.NET: Build Ultra-Fast and Ultra-Scalable web sites using ASP.NET and SQL Server" by Richard Kiessig.