



ICS DreamTeam Member No 829 CV

Profile:

His principal focus is the development of n-tier Internet applications suitable for deployment on web servers and relational database management systems (RDBMS), primarily Microsoft Internet Information Services 5.x/6.0 (IIS) and Microsoft SQL Server 2000/2005 (running on Microsoft Windows Server 2000/2003, both 32- and 64-bit versions). In the course of his work, he has acquired substantial knowledge of the installation, configuration and management of these platforms.

Technical Skills Summary:

His key skills encompass the current releases and specifications of the following technologies:

- ASP.NET, C# and the Microsoft .NET Framework 1.1/2.0;
- XML, XSLT, XPath and XML Schema;
- XHTML, Dynamic HTML and J(ava)Script;
- CSS (Cascading Style Sheets) and the DOM (Document Object Model);
- ADO.NET, ODBC and Transact-SQL;
- HTTP, XML Web Services and related protocols/languages, such as SOAP and WSDL.

To best leverage these skills, the majority of his projects target modern browsers (for example, Microsoft Internet Explorer 6/7 and Mozilla Firefox 1.5/2.0) and are authored using the latest integrated development and debugging environments, such as Microsoft Visual Studio .NET 2003/2005/2008.

Additionally, He is proficient in the use of defect and bug tracking solutions, such as Bugzilla, and version control systems, specifically Microsoft Visual SourceSafe and, lately, Subversion. As part his work, he has embraced many of the practices of modern/agile development including:

- Unit Testing with NUnit;
- Build Automation with NAnt and MSBuild;
- Continuous Integration with CruiseControl.NET;
- Code Analysis with FxCop;
- Refactoring with JetBrains' ReSharper.

He is particularly keen to build upon his existing knowledge by augmenting his understanding of 'emerging technologies' in the design of creative technical architectures and the development of innovative applications. Currently, I'm working with a number of frameworks, toolkits, and libraries and would relish the opportunity to continue to explore them:

- the "Atlas" Framework and Control Toolkit (Microsoft's implementation of AJAX & JSON);
- the ASP.NET 2.0 Web Parts Framework;
- CSS Friendly ASP.NET 2.0 Control Adapters;
- the ASP.NET RSS Toolkit;
- Web Application/ Deployment Projects;
- Web Services Enhancements 3.0 (WS-*).

Work Experience:

From – To: June 2007–November 2007

Description: Project Brief: the implementation of a Prospects & Leads Management System for Petro-Canada (www.petro-canada.co.uk), replacing a pre-existing ad hoc spreadsheet-based recording mechanism.

Technical Solution: an ASP.NET 2.0 (C#) intranet application running under IIS 6 with an Oracle 9i/10g database (for which, under his guidance, a developer internal to Venture was responsible) accessed via OLE DB. The application features:

- A large form, implemented primarily as multiple User Controls within a single FormView, retrieving information and performing updates via declarative Object Data Sources (though a great deal of custom logic was necessary to realize a form of this complexity);
- An extensive use of ASP.NET AJAX Extensions (primarily the UpdatePanel and the Control Toolkit (including AutoComplete, Calendar, CascadingDropDown, ConfirmButton and the ResizableControl; requiring a number of custom Web Services to be authored);
- Custom Forms Authentication (the user is authenticated against the database using their Windows Logon Name), Membership and Role Management (each user belongs to only one of five roles but is also restricted to a particular selection of countries);
- A clean separation into Presentation/UI, Business Logic and Data Access layers;
- An administration system and reporting mechanism with a facility to export to Microsoft Excel (SpreadsheetML).

Customer: Venture Information Management (www.venture.co.uk)

From – To: February 2007–March 2007

Description: He was employed to work on MIDAS (Mileage Input Data Acquisition System), an award-winning collaborative venture between Fortline and Pertemps. MIDAS is a web-based fuel and journey management system, allowing the recording and monitoring of mileage and fuel transactions and charging employees for their private mileage which is calculated using actual fuel costs.

For this project, I wrote three Windows Services to perform automated tasks such as the sending out of reminders, importing fuel card data and processing claims. I also authored a number of user controls and worked on various screens within the system, primarily using AJAX.NET and Microsoft SQL Server 2005.

Customer: Fortline (www.fortline.com, link no longer active)

From – To: December 2006–January 2007

Description: He was employed to work on the His Renault greenfield project for Renault UK. Within the team, He was chiefly responsible for implementing the Web Parts-based infrastructure of the website including the home page (which displays a user's chosen components and allows them to be arranged via drag-and-drop), the catalogue page (which displays the full list of available components and allows a user to add them to their home page) and an editor page (allowing a user to change presentational aspects of their home page such as typeface, font-size, and text/background colours). I also developed three of the four parts in the initial delivery to Renault (His Garage, His Dealer and His Profile); in the near future, up to thirty additional web parts will be developed on top of his architecture. The solution makes extensive use of the Profile and Personalisation features of ASP.NET 2.0 and widely utilises AJAX.NET to perform asynchronous updates and web service calls from the client browser.



Customer: Fortline (www.fortline.com, link no longer active)

From – To: October 2006–November 2006

Description: He was employed, as a member of ICS Solutions' DreamTeam, to work on an overhaul of the 'Fleet' section of the Renault UK website (www.renault.co.uk). There were three contractors on his team and two permanent members of the Fortline staff. The site is a complex (500+ page) ASP.NET 2.0 (C#) application with an MS SQL 2000 backend running on an IIS 6 web-farm. The majority of his time was spent developing User Controls, to designs provided by I-D Media, which are deployed extensively throughout the site (for example the Fleet Car Tax Calculator and Model Picker). In authoring these controls, He was required to create T-SQL stored procedures, middle-tier business objects and data sources, XHTML/CSS webpages and the client-side JavaScript necessary to support the desired functionality.

Customer: Fortline (www.fortline.com, link no longer active)

From – To: June 2006–July 2006,

Description: He was employed to work on the conversion of NETvide's Price Monitor website from JScript.NET (ASP.NET 1.1) to C# (ASP.NET 2.0). This application is interesting in that it is generated entirely programmatically using Custom Controls and Data Objects within a highly customised ASP.NET infrastructure. The usual method of authoring declarative ASPX pages within a code-behind model is not utilised.

Customer: NETvide (www.netvide.com)

From – To: March 2005–April 2006,

Description: Project Brief: the design and development of the What-If? Tool internet-application via the 'web-enablement' and extension of a pre-existing desktop application.

Technical Solution: an ASP.NET 1.1 (C#) web application running under IIS 6 with an MS SQL 2000 database and an XML Web Service to distribute graph images to an externally-developed website (www.mtprog.com). The finished system comprises 50 non-static ASP.NET pages, protected by 4 gradations of access privilege, and over 50,000 lines of C# code.

This project was commissioned by Future Energy Solutions (www.future-energy-solutions.com), a part of AEA Technology, and financed by Defra and the Carbon Trust.

He was brought in by ProAcumen to assist with the preparation of the original proposal document, as a result of which we were selected from 5 bidders as the preferred contractor for this project. Phase 1 of the system went live during December 2005 and Phase 2 in August 2006 (whatif.mtprog.com).

Currently only a subset of the system has been made available to the public (domestic energy products) but it is the customer's intention to open up other areas (non-domestic products, waste and water) over the next few months. (The data has recently been updated to December 2007.)

He was responsible, as the primary developer, for the user interface implementation from a Photoshop-based design and the business-logic/data-access tier. The database design and stored procedures were implemented by a another team-member with whom I liaised on a daily basis.

The target users for the application are 'product managers' both within FES and outside public bodies who are responsible for ensuring the accuracy of the data, and 'domain experts' who can extract the data into official and ad hoc reports, using it to inform governmental policy decisions (as currently used internally by Defra). However, it is also freely accessible to the layman who can

create and manipulate customised copies of the basic datasets to enlighten their own purchasing habits.

Customer: ProAcumen (www.proacumen.com)

From – To: October 2004–February 2005,

Description: Project Brief: the design, development, hosting and maintenance of the M&G National League website.

Technical Solution: an ASP.NET 1.1/C# web-application running under IIS 6 with an MS SQL 2000 database.

This system consists of two main components: a dynamic page which displays fixtures, results and rankings to end-users and an extensive administration interface enabling the addition, update and deletion of relevant entities (divisions, venues, clubs, teams, players, matches, rubbers & users). The individual webpages are constructed using CSS-styled HTML and generated/populated using ADO.NET and T-SQL. The current URL for the public-facing website is www.iduk.com/irtpa.

Customer: International Real Tennis Professionals' Association (www.irtpa.com)

From – To: June 2004–September 2004

Description: Project Brief: the design, development and deployment of a Home Fire Safety Risk Assessment (HFSRA) data-system for the North Wales Fire and Rescue Service (NWF&RS, www.nwales-fireservice.org.uk).

Technical Solution: a 3-tier web application utilising an ASP.NET 1.1/C# presentation-layer; an XML Web Service business-logic and data-access layer; and an MS SQL 2000 database.

This system comprises a series of onscreen forms allowing the inspection of a property to be requested, carried out (assessed) and periodically reviewed. Significantly, the HFSRA application also acts as a work planner for the staff and officers of the NWF&RS by permitting them – by means of a criteria-based search – to retrieve a prioritised list of tasks specific to their role and organisational unit (station, division, area or department). Additional 'off-the-shelf' software (Compass, a searchable database of UK addresses) was provided by blue 8; the HFSRA solution was required to interface with this by means of a web service.

This mission-critical, distributed system replaced pre-existing paper-based practices and superseded more ad hoc methods of duty assignment to create a fully-automated process delivered across the North Wales region.

Customer: blue 8 Technologies (www.blue8.co.uk, link no longer active)

From – To: February 2004–May 2004

Description: Project Brief: the analysis of stores' websites and the development of components capable of the programmatic collection/retrieval of product pricing and special offer information to be distributed to third-party subscribers.

Technical Solution: approximately 25 C# classes each tuned (utilising DOM/HTML parsing methods) to the infrastructure of a particular retailer's web presence (including Dixons, Currys, Comet, Asda, Tesco & Waitrose).

Customer: NETvide (www.netvide.com)

From – To: May 2003–January 2004, Role Title:

Description: Project Brief: to assist in the development of content management systems (CMS) for David Lloyd Leisure (www.davidlloydleisure.co.uk) and Whitecap Experiences (www.whitecap.co.uk).

Customer: CogniComm (www.cognicomm.com, link no longer active)

From – To: January 2003–April 2003,

Description: Project Brief: the design, development, deployment and maintenance of the website for their backup360 (www.backup360.co.uk, link no longer active) product.

Technical Solution: an ASP (JScript) web application utilising a Microsoft Access (Jet/MDB) database to store user registrations and purchase information and easily-editable XML files for details of product offerings.

This system integrated an external payment service (NetPayments) and an affiliate marketing scheme. It also communicated (by means of XML-RPC) with a component used to create and upgrade online backup accounts.

Customer: Attix5 (www.attix5.com)

From – To: December 2002,

Description: Project Brief: the design, development, hosting and maintenance of fixtures/results and result-entry pages for the Real Tennis British Open Singles Championship 2002 (frequently re-used since for subsequent competitions, a recent example of which can be found at www.iduk.com/tournament/BritishOpen2005MainDraw.asp).

Technical Solution: an ASP (JScript) web application relying on XML for data-storage and page-generation.

Customer: Tennis and Rackets Association (www.realtennisonline.com)

From – To: September 2002–November 2002

Description: Project Brief: the re-writing, from a prototype, of a project life cycle management application, increasing the potential economic viability of the product via additional functionality, process-streamlining and 'look and feel' improvements.

Technical Solution: a browser-based web application combining Dynamic HTML and JScript/VBScript.

Customer: ProVue (www.provue.co.uk, link no longer active)

From – To: July 2002–August 2002,

Description: Project Brief: the creation of HTML pages for the corporate website of TeamWarrior (www.teamwarrior.com).

Customer: Cartezia (www.cartezia.com)

From – To: January 2001–June 2002, Role Title:

Description: Blueprint3 (www.blueprint3.com, link no longer active)

Customer: He was employed full-time by this Internet start-up to work on a number of Dynamic HTML, XML/XSLT and JScript applications including major projects for Barclays Bank (prototyping the delivery of interactive bank statements within email) and GNI Touch (automating new customer registration and account opening processes).