



## 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 .NET Framework (up-to and including version 3.5);
- HTML, XHTML and DHTML (Dynamic HTML);
- XML, XSLT, XPath, and XML Schema;
- XML Web Services (including SOAP, WSDL & JSON) and Web Service Enhancements (WS-\*);
- JavaScript, CSS (Cascading Style Sheets) and DOM (Document Object Model) manipulation;
- ASP.NET AJAX, the AJAX Control Toolkit;
- ADO.NET, LINQ to SQL and T-SQL

To best leverage these skills, the majority of my projects target modern browsers — for example, Internet Explorer 6/7 and Firefox 2.0/3.0 — and are authored using the latest integrated development and debugging environments, such as Visual Studio 2005/2008. He is also proficient in the use of defect and bug-tracking solutions, such as Bugzilla, and version control systems, specifically Visual SourceSafe and Subversion with TortoiseSVN. As part of his work, he has embraced many of the practices of agile development, including:

- Unit testing with NUnit;
- Build automation with NAnt/MSBuild;
- Continuous integration with CruiseControl.NET;
- Code analysis/refactoring with FxCop and ReSharper.

He is particularly keen to build upon his existing knowledge by augmenting his understanding of relevant emerging technologies (such as Microsoft Silverlight 2.0, the ASP.NET MVC Toolkit, the ADO.NET Entity Framework, JQuery, Script# and OpenID) in the design of creative technical architectures and the development of innovative applications. Should the client's project mandate their use, he would embrace the opportunity to further explore these areas.

### Work Experience:

From – To: 2008

Description: He was responsible for the design and implementation of a Humanities Studentship Management System, consisting of an ASP.NET (C#, .NET 3.5) web-application and a SQL Server 2005 database. The system is used in-house to track awards/grants provided to graduate students by public bodies (the

- AHRC, for instance) particularly with regard to extensions/suspensions of status and the calculation of appropriate payment and course end-dates.
- Customer: Oxford University
- Note: He took a break from work in 2008, between the projects detailed immediately above/below, to complete the purchase and manage the renovation of his house in Stow-on-the-Wold.
- From – To: 2007
- Description: Initially, he was solely responsible for the, non-database related, technical-design and implementation of a Prospects and Leads Management System for Petro-Canada (an in-house developer provided the database). Toward the end of the project another developer was added to due to time constraints. This intranet application replaces a pre-existing spreadsheet-based recording mechanism and is intended for use by agents and employees across the globe. Its importance is highlighted by Shell's alleged misreporting of its oil reserves in 2005 and the huge cost of industrial drilling; making clear an acute need for the effective and transparent collection and representation of such data. The system comprises an ASP.NET 2.0 (C#) web-application communicating with an Oracle 9i/10g database via OLE DB, and runs under IIS 6.
- Customer: Venture Information Management, Petro-Canada
- From – To: 2006–2007
- Description: Initially, he was employed to work on an overhaul of the 'Fleet' section of the Renault UK website (an ASP.NET 2.0/C# web application with an MS SQL 2000 backend, accessed via ADO.NET, running on an IIS 6 web farm). The majority of my time was spent authoring User Controls, which are deployed extensively throughout the site.
- Subsequently, he was the primary architect and developer for the Renault subsection of the site. Using the ASP.NET Web Parts Framework, he created 'Home' (displays a user's chosen components and allows them to be arranged via drag-and-drop), 'Catalogue' (displays the full list of available components and allows a user to add them to their homepage) and 'Editor' (allows a user to change presentational aspects of their homepage such as typeface, font-size and text/background colours) pages. He also developed three (of the four) parts included in the initial delivery to the client (My Garage, My Dealer and My Profile), making extensive use of ASP.NET AJAX (particularly Update Panels) and asynchronous postbacks and web service calls. Having laid the foundations, other programmers were able to implement additional parts in a straight-forward and consistent fashion.
  - Finally, he worked on the MIDAS (Mileage Input Data Acquisition System) being developed in conjunction with Pertemps. This is a web-based fuel and journey management application, allowing the recording and monitoring of mileage and fuel transactions and charging employees for their private mileage which is calculated using actual fuel costs. Although he contributed to various screens and areas of functionality, he was primarily responsible for the creation of a number of .NET Windows Services to perform automated tasks such as the sending-out of reminders, importing fuel card data and processing claims. Aside from the C# service shells, these tasks consisted mainly of interpreting and implementing the complicated rules involved as T-SQL stored procedures within MS SQL 2005.
- Customer: ICS Solutions, Fortline, Renault UK, Pertemps

From – To: 2005 – 2006

Description: He was responsible for the infrastructural-design and development of the What-If? Tool solution (whatif.mtprog.com) — the 'web enablement' and extension of a pre-existing desktop application. The Photoshop-based design, stored procedures and database schema were provided by other developers with whom he liaised, as necessary. He was also involved in the preparation of the original proposal document and related meetings, as a result of which ProAcumen was selected from 5 competing bids, and the specification and provision of a dedicated hosting solution (using Rackspace). The system combines an ASP.NET 1.1/C# web application running under IIS 6 with an MS SQL 2000 database. An XML Web Service is utilised to distribute graph images (generated using Dundas Chart) to an externally-developed website. The application is regularly updated (currently to December 2007) and used by Defra to inform governmental policy decisions and by the layman to provide, for instance, 'carbon footprint' information (using both contemporary and projected data) and influence individual, household and business purchasing habits.

Customer: ProAcumen, AEA Energy & Environment, Defra

From – To: 2004 – 2005

Description: He was responsible for the design, development, hosting and maintenance of the IRTPA's National League website — ASP.NET 2.0/C # web application, running under IIS 6 with a MS SQL 2005 database. The system comprises a public-facing interface (displaying information relevant to the currently selected division) and an extensive administration component (allowing the addition and management of players, teams, fixtures, results etc).

Customer: International Real Tennis Professionals' Association

From – To: 2004 – 2005

Description: He was responsible for the design, development and onsite deployment of the Home Fire Safety Risk Assessment (HFSRA) intranet site for the North Wales Fire and Rescue 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. It is a 3-tier solution, utilizing an ASP.NET 1.1/C# presentation layer interfacing with a MS SQL 2000 database via an XML Web Service, which contains the bulk of the business logic and data access code. An additional web service provides integration with Compass, a searchable database of UK addresses produced by blue8 themselves.

Customer: Northgate Information Solutions, blue8 technologies

From – To: 2004 - 2006

Description: Initially, he was employed to work on NETvide's bespoke software to analyse stores' websites (including those of Amazon, Asda and Tesco) using DOM/HTML-parsing methods, within a C# class library, to collect pricing, promotion and product line information to be distributed to subscribers. Later, he worked on the conversion of their Price Monitor web application from ASP.NET 1.1 (JScript.NET) to ASP.NET 2.0 (C#).

Customer: Organum Consulting, NETvide

From – To: 2003 - 2004

Description: He was responsible for the implementation, deployment and maintenance of the web-site for Attix5's consumer-targeted online backup product. This is a 'classic' ASP/JScript solution, using an Access database (via Jet) to store user registration details and purchase information, and XML files to drive the

dynamic product and pricing pages. The system integrated an external payment service (NetPayments) and an affiliate marketing scheme (Deal Group Media). It also communicated, by means of XML-RPC/REST, with an in-house component to create and upgrade accounts. A customised version of the website was created for a Cable & Wireless promotion.

Customer: Attix5, backup360

From – To: 2002

Description: He was responsible for the design, development, hosting and maintenance of the fixtures/results and result-entry pages for the Real Tennis Open Singles Championship 2002. This is a 'classic' ASP/JScript solution, using XML for data storage. The application has been frequently re-used for subsequent tournaments; each successive competition requiring changes only to the XML data file.

Customer: Tennis and Rackets Association

From – To: 2002

Description: He was employed to work on the client-side markup and script for ProVue's Project Lifecycle Management application.

Customer: ProVue

From – To: 2002

Description: He was employed by Cartezia to create HTML pages for the corporate website of their TeamWarrior spin-off.

Customer: Cartezia, TeamWarrior

From – To: 2001 - 2002

Description: He was employed to work on a number of DHTML, XML/XSLT and JavaScript applications, including projects for Barclays Bank (prototyping the delivery of interactive bank statements via email) and GNI Touch (automating the new customer registration and account opening processes).

Customer: Blueprint3