

<b>Name</b>	Ross Fruen	<b>Location</b>	Basingstoke, Hampshire
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### Experience and qualifications:

<b>Design</b>	Agile, TDD, UML	<b>Languages</b>	C++, C# (1.0 onwards)
<b>Frameworks</b>	ADO.NET, ADSI, Entity Framework, LINQ, WCF, WebForms, Win32, WinForms, WPF	<b>Web technologies</b>	AJAX, ASP.NET, ASP.NET MVC, CSS, DHTML, HTML, JavaScript, jQuery, XHTML, XML, XSL, XSLT
<b>Source control</b>	CVS, Mercurial, Rational Synergy, Source Safe, SVN, TFS	<b>Test frameworks</b>	MSTest, NUnit
<b>Servers</b>	IIS, LDAP, MSMQ, Oracle, SQL Server, WebSphere MQ	<b>Environments</b>	CruiseControl.NET, ReSharper, TeamCity, Visual Studio

MCP in ASP.NET 4.0, WCF, .NET Framework, C#, VC++ 6, Windows Architecture I and WOSA I.  
 BSc (Hons.) 2:1 in Computer Science from Portsmouth University. Full, clean driving licence.

Over twenty years experience in developing systems using Microsoft technologies, initially in C++, MFC and COM but for the past decade via .NET. Working in diverse industry sectors has provided an understanding of the various business drivers behind modern IT systems and required the ability to adapt quickly to different environments. A history of working both alone and as part of a team, coupled with extensive design and implementation experience and a proven ability to impart systems knowledge, provides rapid positive results for your project.

### History:

#### **NHS Solutions Provider (August 2013 to January 2014)**

**Skills** ASP.NET, C# 4.0, CSLA, SagePay, SQL Server 2012, SSRS, TFS, VB, Visual Studio 2010

Maintenance and enhancement of blood analytes testing system. Data entry via ASP.NET WebApp, manipulation and report generation through WinForms application. Management of AutoTask hosted request queue. Liaison with end-users to fully understand updates required. Work areas included; migration from global to individual subscription periods, addition of SagePay based subscription payment mechanism, adding new and maintaining existing SSRS templates and sprocs, updates to database schema and associated CSLA code for new functionality.

#### **DCSL Software, Farnborough (April 2013 to July 2013)**

**Skills** ASP.NET MVC, C# 4.0, Entity Framework, SQL Server 2008, TFS, Visual Studio 2010, WCF, WPF, WWF

Provision of Iron Speed based time recording website for a major workforce management solutions provider. Integration with SagePay for subscriptions collection. Generation of rdcl based management reports. Development of stored procedures and views. Creation of automated database and website update tool.

Production of anonymous feedback system for healthcare professionals. Generation of MVVM WPF client (delivered by ClickOnce) and MVC based web site for data collection. Development of WCF based RESTful web service and associated database to store collected data and issue confirmation messages via SMS.

Extended Workflow Activity Library used by WWF application to communicate with additional insurance broker web service. Modified Workflow used by Claims Management company to use this new functionality.

#### **iMeta Technologies, Southampton (July 2012 to December 2012)**

**Skills** Castle Windsor IOC, C# 3.5, MSTest, Oracle 10g, ORM, TFS, Visual Studio 2010, WWF, XML, XSL

Customisation of Standing Settlement Instruction management system to meet the requirements of specific financial institutions. Work areas included; generation of functional and task specifications, mentoring of and code reviews for offshore developers, generation of coded server side WWF rules, extension of WinForm custom controls, branch and release generation, resolution of UAT issues.

#### **HeathWallace (JWT subsidiary), Reading (March 2012 to July 2012)**

**Skills** ASP.NET, CC.NET, C# 4.0, Hg, Jira, jQuery, Sitecore, TeamCity, Visual Studio 2010, XML, XSL

Part of team developing Sitecore based website for major retailer. Extension of CMS to provide analysis of user data collected in external database. Integration with third party services; SAP based CRM, 20-20 kitchen design system, Kayako Engage LiveChat, Postcode Anywhere post code lookup mechanism.

Initial development of Sitecore based website, for one of the worlds largest banks, to provide financial information on emerging markets. Acted as reference point for integration with Thomson Reuters data feed mechanism (TRIS). Work on site capacity plans.

**BBC, BigHand, IBM, iMeta, Nokia, Royal Mail, Sony, Vertu and others (July 1992 to February 2012)**

**Skills** ADO.NET, Ajax, ANTS, ASP.NET, ATL, C, C#, C++, Castle Windsor, CC.NET, ClearCase, CM Synergy, CodeDom, COM/DCOM/COM+, CTI, CVS, DAP, DHTML, DRM, Entity Framework, Extreme Programming, FXCop, LDAP, MFC, MQ, MSMQ, MSTest, NUnit, Oracle 10g, Rational Rose, Remoting, Reporting Services, ReSharper, SandCastle, SOAP, SourceSafe, SQL Server, STL, SVN, TCP, Telerik, TFS, UML, VB.NET, Visual Studio, VSTO, WCF, WebForms, WebSphere MQ, Win32, WinForms, WWF, XML, XSL, XSLT

- Maintenance of SSI management system used to cleanse data provided from upstream systems. Work areas; modification of proprietary ORM, use of ANTS for database optimisation, produce PowerShell scripts to assist in log file analysis, analyse and fix WebSphere MQ 7.1 connectivity issues.
- Part of team developing BOM system using an Excel add-in, Sharepoint and Salesforce.com. Support for remote working via Sync Framework. Work areas; installer maintenance, SSRS maintenance, .XLS data import tool.
- Creation of Excel add-in and system service to validate, summarise and distribute sales data to management reporting systems. Production of supporting database schema and stored procedures.
- Capture and organisation of audio and video recordings made by public safety operations (police, air traffic control, etc.). This covered all areas of the product from the server and database, through to the WinForm client distributed using ClickOnce. Work areas included, adding support for IPv6 based networks, resolution of threading and database locking issues encountered in multi-server systems, database anti-tampering mechanisms, development of multi-threaded test harness to simulate concurrent server requests, additional system admin functionality requiring updates to database tables, server components and client UI.
- Design and develop WCF based RESTful web service secured by 2-way SSL to record mobile phone apps purchased from an O2 website and generate reports from which developer payments can be made.
- Produce phone registration system to record phone manufacture, register customers and send information to 3<sup>rd</sup> parties. Authentication and email services via OpenLDAP. Implement ASP.NET support and customer web sites. Generate XSD describing SOAP interfaces. Produce XSLTs to map internal XML structures to external variants. Introduction of CruiseControl.NET. Improvements to database performance and deadlock resolution.
- Part of team producing C# based mobile phone test system. Unattended testing took place on a bank of PCs that would flash mobile phones with the latest software and then execute a series of tests configured via a Webservice or Click-Once application. Tests were created using WWF based environment linked to a class framework that simplified common tasks, e.g. Audio capture and FFT analysis, OCR, error handling, memory leaks analysis, report generation and dissemination, DRM content management, etc.
- Creation in VC++, ATL and STL of a multi-threaded server that processed digital dictation work flows and disseminated results to clients. Client authentication via NTLM or Active Directory. Design, develop and tune SQL Server schema and stored procedures. Tuning and bug fixing within all system components, such as the MFC based client, CTI client and audio stream recorder.
- Design and implement DRM system for a series of VC++ COM+ components called via ISAPI. Access to the media streams was via Windows Media and Real DRM. For resilience the system was hosted within a load balanced web-farm with session data stored in a clustered SQL Server database.
- Generation of COM+ based web front-end to a Mainframe via the MSMQ Bridge.
- Design, development in C++ and documentation of cross platform (HP-UX, Windows 2000) isolation layer insulating organisation from MQSeries. A COM wrapper catered for VB and ASP developers.
- Part of team creating an assured message delivery mechanism (MQSeries) for Windows from initial UNIX port to version 5.2. Activities included the provision of system services, exploitation of event logs, bridging the MQ and Win32 security models the provision of COM interfaces (MQAI), support for MSCS, integration with Active Directory and LDAP servers and XML based configuration. Some third-line support entailing liaison with customers and support staff worldwide to gather information to furnish solutions.
- Production of VC++ multi-threaded financial data feed server which disseminated data from ISDN, satellite, etc. to workstations. Acted as reference point for data feed handling. Liaison with feed suppliers and LSE.