

Name	Ross Fruen	Location	Basingstoke, Hampshire
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Experience and qualifications:

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

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 five years experience in developing systems using Microsoft technologies. For the first decade this was in C++, MFC and COM and subsequently 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:

LexisNexis (April 2014 to January 2019)

Skills ASP.NET MVC, AWS, Azure, C# 7.1, Entity Framework, Git, Kanban, MSMQ, MSTest, NET Core, NHibernate, NSubstitute, OWIN 3.1, RabbitMQ, SpecFlow, SQL Server 2016, VSTS, Visual Studio 2017, WCF, WPF

Introduction of a centralised taxonomy service into the editorial systems generating legal commentary for the Lexis Advance product allowing documents to be routed to appropriate subscribers. Development took place within an agile environment with CI facilitated by VSTS, SonarQube, Specflow, MSTest and NSubstitute. Development followed IOC principles based around Unity or AutoFac with Entity Framework or NHibernate providing data access. Cross application dependencies were mediated via NuGet and NPM. Centralised logging was provided via New Relic.

Taxonomy information was presented in an Atom like feed and needed to be ingested into the UK editorial systems. Work areas included; production of .NET Core based PoC, creation of OWIN based service to parse incoming data feed and present this information to the taxonomy storage system, liaison with feed publisher to ensure successful ingestion.

Taxonomy information was held in an existing centralised data store which editorial systems could update or query via a REST API. Work areas included; modification of existing database schema and API to support hierarchical information and track changes, addition of support for natural language searches, schema performance optimisation, notification of changes via RabbitMQ messages, creation of OWIN based service to provide access to previous taxonomy changes.

Modification of three existing editorial systems to incorporate a common Angular based control that would allow editors to taxonomise documents. Work areas included; creation of common picker and integration into the system, extension of schemas to hold taxonomy information, migration to Azure and then AWS.

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 definitions and sprocs, updates to database schema and associated CSLA code for new functionality.

BBC, IBM, ICL, iMeta, Nokia, Royal Mail, Sony, Vertu and others (July 1992 to July 2013)

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, FXCop, Hg, Jira, jQuery, LDAP, MFC, MQ, MSMQ, MVC, MSTest, NUnit, Oracle 10g, Rational Rose, Remoting, ReSharper, SandCastle, Sitecore, SOAP, SourceSafe, SQL Server, SSRS, STL, SVN, TCP, TeamCity, Telerik, TFS, UML, VB.NET, Visual Studio, VSTO, WCF, WebForms, WebSphere MQ, Win32, WinForms, WWF, XML, XSL, XSLT

- Provision of Iron Speed based time recording website for a major workforce management solutions provider. Use of 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 RESTful web service and database to store concerns and issue confirmation messages via SMS.
- Extended Workflow Activity Library used by WWF application to communicate with a new insurance broker web service. Modified Workflow used by Claims Management company to use this new functionality.
- Customisation of SSI management system to meet the requirements of specific financial institutions. 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, resolution of UAT issues, modification of proprietary ORM, database optimisation, analyse and fix WebSphere MQ 7.1 connectivity issues.
- Development of 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.
- Development of Sitecore based website for one of the worlds largest banks. Acted as reference point for integration with Thomson Reuters data feed mechanism (TRIS). Work on site capacity plans.
- 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.
- Enhancement of system capturing and organising audio / video recordings made to public safety organisations. Addition of IPv6 support, resolution of threading and database locking issues, 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 3rd 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.
- 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.