



Cameron J. Fletcher, MCP

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PROFILE

I am a Microsoft Certified Professional with proven skills in software development, analysis, and design. Having successfully played a variety of roles in diverse environments, I am equally at home contributing to a team as I am leading one. I have a solid understanding of software architecture and design, and a passion for elegance and quality.

With strong analytical and technical skills, I have developed solutions across a wide range of business areas, including retail banking, mortgage services, asset management, investments, telecommunications, and customer relationship management. I have offshore financial experience through working in Jersey (Channel Islands). I relish the challenge of identifying and solving problems at all levels; from analysing business processes to building intuitive user interfaces.

My strong interpersonal skills ensure that I am able to develop productive relationships with clients and colleagues at all levels. I am as at ease mentoring junior members of the team as I am presenting to senior management.

I am keen to find a varied and challenging position where I can put my skills and years of experience to good use.

ACHIEVEMENTS

- Worked on the FNZ Open Wrap platform rewrite which is responsible for over £3bn in managed funds for Standard Life alone (the client I worked with).
- Responsible for the development of, and helped patent, a powerful and extensible peer-to-peer database system which was responsible for winning a £50k grant from the Scottish Executive for innovation.
- I am one of only 213 people worldwide to have achieved Microsoft Certified IT Professional (MCITP) certification as a Database Developer (for SQL Server 2008). Figures correct as at April 9, 2009.

QUALIFICATIONS

- Microsoft Certified IT Professional (MCITP) - Database Developer (SQL Server 2008)
- Microsoft Certified Professional Developer (MCPD) - Enterprise Application Developer (.NET 3.5)
- Microsoft Certified Professional Developer (MCPD) - Enterprise Application Developer (.NET 2.0)
- 4 A Levels: Maths, Further Maths, Electronics, and Physics

TECHNICAL EXPERTISE

C#.NET, VB.NET, ASP.NET MVC
 LINQ, NHibernate
 Visual Basic 6.0, VBA, Classic ASP
 HTML and DHTML, CSS, JavaScript, AJAX
 T-SQL, PL/SQL, ADO.NET Entity Framework
 .NET Framework versions 1.x, 2.0, 3.0, 3.5, 4.0
 .NET Compact Framework (.NET CF)
 Web Services, SOA, SOAP
 XML, XSD, XPath, XSLT, XML Spy
 NUnit, NMock, TSQLUnit, MSTest, xUnit
 Build.NET, MSBuild, nAnt, CruiseControl.NET
 Windows Forms (WinForms)
 Microsoft Application Blocks
 Microsoft Enterprise Library
 Windows Communication Foundation (WCF)
 ASP.NET MVC Framework 1.0, 2.0

Visual Studio 2005 / 2008 / [Team Suite]
 SQL Server 2000 / 2005 / 2008
 SQL Server Integration Services (SSIS)
 SQL Server Reporting Services (SSRS), RDL, RDLC
 Team Foundation Server (TFS) 2005 / 2008
 Team City, Fitness, Selenium
 Internet Information Services (IIS 6.0 / IIS7)
 SourceSafe 6.0 / 2005, CVS, SourceGear, SVN, GIT
 Oracle 9i, 10g
 Crystal Reports
 Business Objects
 Microsoft Office, Microsoft Access
 Agile Methodology (Scrum / XP)
 Test Driven Development (TDD)
 Behavioural Driven Development (BDD)
 Active Directory / ADAM / AD LDS
 Google Analytics

Please refer to the accompanying Technical Expertise Datasheet for detailed breakdown of my skills.

An up-to-date version can be found at: http://www.cameronfletcher.com/documents/skills_datasheet.pdf

ADDITIONAL INFORMATION

Written and verbal references are available on request.
I have my own limited company and am VAT registered.

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CAREER HISTORY

- Oct 2009 – Present
Standard Life, Edinburgh
Developer (contract)
C#.NET 3.5, ASP.NET MVC 2.0 Framework, SQL Server 2005, WCF REST, LINQ, AJAX, NANT, Agile, TDD, Team City, JQuery, GIT, NHibernate, Fitness
- I was working on a rewrite of the FNZ Open Wrap platform working directly with FNZ for Standard Life. My role was to help develop the MVC front-end for the system bringing knowledge of the Microsoft technology stack to the project.
- FNZ Open Wrap Platform**
The system was designed around an MVC front-end hooking into WCF REST services to speak to the domain. Domain persistence was handled by NHibernate to SQL 2005. Over a number of iterations our team would take a vertical slice of the existing system and write the corresponding end-to-end functionality for the new system. The project used Team City for continuous integration and xUnit for writing BDD unit tests, Rhino Mocks for mocking. We also wrote tests using Selenium to smoke tests the site.
- June 2009 – Sept 2009
Cordia LLP, Glasgow
Team Lead Developer (contract)
C#.NET 3.5, ASP.NET MVC 1.0 Framework, SQL Server 2008, WCF, LINQ, AJAX, IIS7, MSBuild, Agile, TDD, Cruise Control, JQuery
- I was leading a team of 6 on a Greenfield project to develop a council based transport and scheduling system to replace existing outsourced taxi trips. My role involved architecting the system, mentoring other members of the team, and liaising with project stakeholders. The project was run using Agile Scrum.
- Transport and Scheduling Services**
I designed the system to be based on the ASP.NET MVC Framework and Linq2Sql. I set up and automated the build environment for continuous integration and a daily build (for test) using a combination of MSTest, MSBuild, CruiseControl.NET, PartCover, and FxCop. I also implemented a QA process and enforced coding standards and analysis using Microsoft StyleCop and Microsoft FxCop. I was responsible for introducing test-driven development and continuous integration to the organisation.
- The project was delivered on time and considered the most streamlined and successful to date for the team that are now award winning, recognised internationally by the likes of Blackberry.
- June 2008 – June 2009
Informed Solutions Limited, Manchester
Senior Developer (contract)
C#.NET 3.5, SQL Server 2008, Oracle 9i / 10g, WCF, .NET CF, LINQ, MVC, XML, Web Services, XSD, XPath, XSLT, XML Spy, VBA, SOA, Active Directory, Google Analytics, IIS7, TFS, MSBuild, Agile, TDD
- I was brought in as a resource to help with the service management of several projects in place of an individual who was on extended leave. I was primarily involved in troubleshooting and debugging issues that arose with these systems.
- Incident Recording System (IRS) for the Fire and Rescue Service**
I developed a relational database for client visibility based on data which was held in XML format in a separate database. I set up a framework for continuous database integration for the development lifecycle and designed and wrote automated T-SQL unit tests to test the transformation of the data between systems. I also wrote a C#.NET Remoting component to monitor server health.
- Communities and Local Government (CLG) Places Website <http://www.places.communities.gov.uk/>**
I was involved in maintaining the Places website, performing front-end amendments using ASP.NET and AJAX. I also created an Excel add-in using VBA that performed data migration (ETL) against multiple .csv files downloaded from the Oscar Research website.
- Mar 2008 – June 2008
Ignis Asset Management (formerly Resolution Asset Management), Glasgow
Developer (contract)
VB.NET 2.0, ASP.NET 2.0, SQL Server 2005, SSIS, SSRS, IIS 6.0, MSBuild
- I was a member of a team developing a number of reports that would be run monthly for the two life divisions of the company. The data was stored in ICON, a flat-file financial database, which presented additional complications due to its size.
- Monthly Reporting System**
The reporting solution was a tiered application comprised of an ASP.NET front-end, a VB.NET business layer and a SQL Server back-end database. There was also a Windows Forms client, a Windows Service to manage migration of the data from ICON, and a database deployment package using SSIS.
- I was responsible for writing the reports for admissible assets and unit linked growth funds. This involved updating the database project and associated MSBuild scripts, writing stored procedures, amending standing data imports, and writing and deploying the reports. I was also required to optimise performance.

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Nov 2007 – **Standard Life Bank, Edinburgh**
Mar 2008 **Developer (contract)**

C# 2.0, Windows Forms, SSRS, MVC, SVN, NUnit, NMock, nAnt, Agile, TDD

I was brought in as a member of an existing team to help port an existing call centre mortgage application to C# from a 3rd party, proprietary technology (GTX).

Mortgage Application Processing System

The new solution was a tiered application comprised of a C# Windows Forms client (utilising the model-view-controller pattern), a Java business layer (implemented as a SOA framework) and a DB2 database.

The project followed an agile (scrum/XP) methodology. My main task was to port the Key Facts Illustration section of the application using SQL Server Reporting Services. My responsibilities include determining detailed requirements, developing and unit testing the application. Unit tests were developed and automated using NUnit, NMock and Rhino Mocks.

July 2006 – **Kingston Communications (Hull) plc (formerly Affiniti), Stirling**
Nov 2007 **Technical Lead (contract)**

C# 2.0/3.0, WCF, SOA, XML, Web Services, SQL Server 2005, SSRS, VBA, SourceSafe 2005, ADAM

It was my responsibility to handle the data required for roll-out of 13,500 VoIP telephones across Fife council. I was tasked with developing a system that would allow administrators for both the project delivery team and the end-client to access and amend the data whilst ensuring that the system was functional, secure, scalable and resilient. From the information entered into the system I was able to identify the equipment needed on each of the 400 sites and produce a workpackage for the engineers to deliver. My role also involved frequently liaising with technical representatives, the end-client and project stakeholders.

IPT Project Delivery Database

The solution comprised a C#.NET WinForms front end client that communicated with a back-end SQL Server database via a WCF service layer. SSRS over SSL was used for the reporting. Some of the reports that required interaction were developed to open in Excel and used VBA. I was also called upon to manage further integration of the system to communicate with Cisco systems using their AXL web service.

Note: I have since set up my own Cisco VoIP system: <http://www.cameronfletcher.com/page/voip.aspx>

Mar 2006 – **Fundworks (UK) Limited, Glasgow**
July 2006 **Lead Developer**

C#.NET 2.0, Windows Forms, ASP.NET 2.0, Enterprise Library, Application Blocks, SQL Server 2005, T-SQL

I was responsible for leading the development team and acted as tutor and mentor to the junior members. I was involved in designing and documenting the online investment portfolio management system.

Investment Portfolio Management System

The solution comprised a tiered ASP.Net 2.0 front end with C# business and data components. The data was stored in an SQL Server 2005 database, accessed via both TSQL and CLR stored procedures. In addition, a Windows Forms user interface allowed client management for the business administrators. The web based reporting solution comprising prices, performance, charting and illustration modules has been implemented in a number of asset management companies and achieved Microsoft Certified Partner status for the business. The solution is currently used by several major asset management companies.

Dec 2004 – **Contextus Limited, Falkirk**
Mar 2006 **Senior Developer (contract)**

VB.Net 1.1, Windows Forms, SQL, Remoting, CVS

Contextus Limited is a research company involved in the development of decentralised database technologies. I started with the company soon after its inception as one of its senior developers.

I was responsible for leading the development team, designing and documenting the solution and liaising with the patent lawyers involved with the designs. I experienced a high degree of interaction with technical peers at the forefronts of their respective fields through various activities organised by the Scottish government and centred on innovation and excellence.

Virtual Private Database Network

The solution comprised a VB.Net 1.1 front end with a peer-to-peer back-end bundled with each client. It required significant analysis of the SQL language and innovative solutions designed to combat such problems as designing and developing a distributed query engine to retrieve partial records from different nodes. There was heavy emphasis on multithreading and windows sockets programming. During the design of the system I identified established patterns and developed object, component and data models.

The project was submitted to the Scottish Government for a SMART award and won a £50k prize.

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Nov 2003 – **Sainsbury's Bank, Edinburgh**
Dec 2004 **Developer (contract)**
Visual Basic 6.0, VBA, Microsoft Access, Microsoft Office, SQL

Purchase Order System

I developed the bank's purchase order system using Microsoft Access from an existing specification document. I completed the project on time and it was considered a resounding success.

I was subsequently asked to remain working for the bank on an open-ended contract and was involved in developing several other systems including budget tracking models, salary bonus calculators, and market analysis tools using both Microsoft Access and Visual Basic 6.0.

Oct 2000 – **Royal Bank of Canada (formerly Abacus Financial Services Limited), Jersey (Channel Islands)**
Nov 2003 **Business Analyst**
Visual Basic 6.0, VBA, Microsoft Access, Crystal Reports, Business Objects, Oracle, SQL, PL/SQL

Corporate Services System Development

I was responsible for the design of the corporate services company wide in-house system, and also provided support to the development teams on technical matters. I acted as a gateway into the wider technical community within Abacus, often coordinating activities across teams.