

Stuart Cam –C# .NET Consultant & Developer - www.codebrain.co.uk

Personal Information

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Skills

Microsoft C# .NET (9 years)

Extensive commercial experience with C# (and VB.NET):

- ✦ Distributed systems and SOA architecture
- ✦ Multithreaded and asynchronous programming
- ✦ Enterprise messaging solutions with MSMQ & WCF
- ✦ DTC transactions

Extensive commercial experience with ASP.NET:

- ✦ ASP.NET MVC 2 & 3 commercial experience
- ✦ ASP.NET Web Forms
- ✦ Development of fast-loading & lightweight pages
- ✦ Advanced caching techniques
- ✦ User & server controls
- ✦ State management
- ✦ Authentication methods
- ✦ Data access with ADO.NET
- ✦ Web services & Windows services
- ✦ Substantial experience with localisation techniques

Software Development (10+ years)

- ✦ Design Patterns
- ✦ Agile Methodologies (SCRUM & XP – Some Kanban)
- ✦ Refactoring (JetBrains ReSharper)
- ✦ Test Driven Development
- ✦ Domain-Driven Design
- ✦ n-Tier Application Architecture
- ✦ Flowcharting, UML and workflow/process modelling
- ✦ Distilling and presenting complex ideas and concepts to non-technical audiences

Open Source (4 years)

- ✦ Castle Project – NVelocity, Windsor Container
- ✦ NAnt, NUnit, NHibernate & Rhino Mocks
- ✦ CruiseControl.NET continuous integration server
- ✦ Subversion source control
- ✦ Log4net

Microsoft ASP 3.0, VB 6.0 & COM+ (2 years)

- ✦ Caching strategies for high-availability web sites
- ✦ COM+ component development
- ✦ Session and state management
- ✦ Code optimisation
- ✦ Transaction performance tuning
- ✦ ADO, particularly ADODB with MDAC 2.7+
- ✦ Active-X components
- ✦ SOAP with binary messaging
- ✦ Certification from Learning Tree - Building scalable COM+ components

Microsoft SQL Server (8 years)

Excellent commercial experience with T-SQL:

- ✦ Design and development of relational databases.
- ✦ Data normalisation, indexing, keys & constraints
- ✦ Stored procedures and user defined functions
- ✦ Execution path analysis and query optimisation
- ✦ .NET CLR integration
- ✦ Iterative development with build scripts
- ✦ Security and access rights configuration

Web technologies - HTML, AJAX, JavaScript, jQuery, CSS (10+ years)

Extensive commercial experience with:

- ✦ HTML specifications and variants
- ✦ Hand-coded cross-browser DHTML and CSS
- ✦ jQuery, AJAX & JSON
- ✦ XML, DTD, XSLT and XPath
- ✦ DDA and web accessibility compliance
- ✦ VBScript and JavaScript, specifically JVM 1.3+
- ✦ Active-X scripting, specifically Windows Media Player
- ✦ FTP and TCP/IP sockets programming
- ✦ SOAP
- ✦ IIS 5, 6 & 7
- ✦ Regular expressions

Adobe Photoshop & Flash (10+ years)

Excellent experience with visualisation technologies:

- ✦ .NET GDI+
- ✦ UI design and screen flow mock-ups
- ✦ Ad-hoc web page design and imaging
- ✦ Technical knowledge of various graphics formats
- ✦ Adobe Flash interaction with server-side technologies
- ✦ Programmatic creation and optimisation of SWF files
- ✦ Advanced ActionScript 2.0

SMS Messaging (3 years)

Excellent commercial experience of mobile-messaging:

- ✦ SMPP 3.4 Protocol
- ✦ SMS including binary messaging
- ✦ WBXML and WAP
- ✦ Transcoding & rendering content to different devices
- ✦ AAC, MP4 and MP3 encoding
- ✦ Premium SMS messaging
- ✦ Knowledge of market regulations and best practices
- ✦ Worked with many popular 3rd-party APIs

Commercial Experience

Co-Founder / CTO, Lead Magpie – www.leadmagpie.com

Jun 2010 – Sep 2011

Lead Magpie is an online marketplace for financial services leads. Launched in January 2011 the service has delivered over 6000 leads to 500 registered buyers – mainly First Time / Next Time Mortgage, Re-mortgage and Buy-To-Let Mortgage leads. The system uses an e-Bay style auction to sell leads at a fair price to the highest bidder in real-time.

My primary role was to look after the complete end-to-end design, development and delivery of the Lead Magpie platform and associated web services. Of course, being a start-up business I was also responsible for a lot more than just the technology. I also had direct involvement with everything from sales, marketing, client relationships, outsourcing and financials.

Software development highlights include:

- ✦ Implementation of a CruiseControl.NET continuous build server:
 - NAnt, NUnit, NCover, NDepend, StyleCop, FXCop, YUICompressor
 - Continuous one-click deployments to staging and live environments
 - Average 11 commits per day, 10 releases per week
 - 120,000+ lines of code
 - Subversion source control, off-site hosted
- ✦ Overall solution architecture to include multiple web sites, services and databases
- ✦ Research and development of a conditional rule-based expression language for the creation of buyer campaigns
- ✦ Implementation of an event-driven architecture for the auction sub-system
- ✦ Integration with many different third party systems – Postmark, Highrise, Esendex, PayPal
- ✦ Extensive geo-coding experience with Google Maps API and OS Code Point Open
- ✦ ASP.NET MVC 2 (later upgraded to MVC 3):
 - Castle Windsor, NVelocity and Scheduler
 - Log4Net
 - Fluent Validation
 - MVC Turbine
 - NHibernate, Fluent NHibernate & NHProfiler
 - AutoMapper
 - jQuery and JSONP
- ✦ Test Driven Development using:
 - Rhino Mocks
 - NUnit
 - Behavioural tests using fluent interfaces
- ✦ Extensive use of C#4
 - Generics
 - Dynamic objects
 - LINQ and Expression Trees
- ✦ Configuration of Windows Server operating systems

Core Skills / Technologies

C#, ASP.NET MVC, TDD, CruiseControl, Nant, NUnit, NCover, NDepend, StyleCop, FXCop, YUICompressor, jQuery, CSS, HTML, LINQ, Castle Windsor, NVelocity, log4net, AutoMapper, FluentValidation, MVC Turbine, NHProfiler, Google Maps.

Founder / .NET Consultant, Codebrain - www.codebrain.co.uk

Dec 2005 – Present

Codebrain is small IT consultancy which develops bespoke software for businesses using the latest Microsoft .NET & web technologies. Recent work includes:



Northgate IS – Senior C# .NET Developer – SC Cleared

Sep 2009 – Jun 2010 (10 months)

Northgate is the primary software solution provider for PentIP, a national Police system designed to streamline fixed penalty notice processing and enable information sharing between forces. PentIP is a high-profile government-funded project with a £20m budget. Due to the nature of the system I was security cleared for access to restricted information.

I was initially recruited as a software developer working primarily in C# 3.5. The 20 person development team was distributed between Nottingham and Bristol. After a couple of months of demonstrating my abilities I was offered the role of Bristol Development Team Lead. As well as my software development duties the role included

overseeing and guiding the work of 9 other developers, liaising with the test lead in Nottingham and overall Development and Project Managers.

- ✦ Solely responsible for the re-architecture of a prototype ASP.NET web forms application into an ASP.NET MVC application using the following technologies:
 - ASP.NET MVC 2.0
 - jQuery, CSS, XHTML and supporting web technologies
 - LINQ, Generics and functional programming techniques
 - Castle Windsor
 - PostSharp AOP
 - log4net
- ✦ Training and mentoring developers in:
 - C# 3.5 language features
 - Test driven development
 - Coding standards and software craftsmanship principles
 - Functional programming techniques
- ✦ Design and delivery of a continuous integration system using CruiseControl, NAnt, NUnit and NCover.
- ✦ Liaising with the solution architect to ensure reliable deployment to secure environments.
- ✦ Design and development of a mockable business process management (BPM) component to enable the team to develop and debug their web screens without reliance on the Nottingham team. The component mirrored functionality offered in the Singularity BPM product.
- ✦ Introduction of a Kanban board to visualise and coordinate local development tasks. Information gathered from the board was used to inform planning and allocation of development resources.
- ✦ Development of a single screen view in Mingle to include software metrics, build statuses, information from HP Quality Centre and current task progress.
- ✦ Documentation of the development process and solution architecture on the internal company wiki.
- ✦ Liaising with the head of testing to ensure appropriate classification and fixing of defects.

Core Skills / Technologies

C#, ASP.NET MVC, TDD, CruiseControl, Nant, NUnit, NCover, jQuery, CSS, HTML, LINQ, Castle Windsor, PostSharp, log4net, Singularity BPM, Scrum, Kanban, HP Quality Centre, Mentoring, Training.



Overview

Jul 2008 – Nov 2008 (5 months)

Razorfish is the world's largest digital agency, winning many international design and web awards for its work. I was involved with two projects in the Sydney studio:



MSN Friend Magnet – Senior .NET Developer

Design & development of a high-profile web game designed to increase the number of registered MSN Messenger users.

I was solely responsible for the design and development of a prize engine service, which was audited by the many different Gaming and Gambling boards across Australia. I also made considerable contribution to the back-end game code and implemented a repeatable build and deployment system for the overall project.

Friend Magnet was the first commercial internet game to use the Windows Messenger API. It was a huge success for MSN, with several million games played. The prize engine service ran without error or interruption, servicing over 10 million game play requests. It's used within the company as a best-practices sample for test-driven development, unit and interaction-based testing.

Core Skills / Technologies

- ✦ C# 3.5
- ✦ WCF
- ✦ LINQ
- ✦ NHibernate & SQL Server 2005
- ✦ Multi-threaded programming
- ✦ TDD with NUnit & Rhino Mocks
- ✦ Castle Windsor
- ✦ Nant



Channel [V] – Technical Lead / Senior .NET Developer

Channel [V] is a subscription television station which broadcasts music video content to several million homes across Australian.

My role as Technical lead was to architect the overall solution and to provide leadership and technical problem-solving abilities within the development team. My client-facing responsibilities included running requirements

workshops and supervising sprint meetings. I prepared and conducted technical interviews and recruited 4 developers. I supervised and led 3 other C# developers, an AJAX developer, 2 flash developers and liaised with 4 non-technical staff.

I contributed significantly in the education and adoption of agile development methodologies. I introduced the Scrum framework for the project, winning 'Employee of the Month' in the process.

Core Skills / Technologies

- ✦ Technical leadership
- ✦ Client liaison and requirements analysis
- ✦ Solution architecture
- ✦ Providing guidance for the development team
- ✦ Technologies include; C# 3.5, LINQ, SQL Server 2005, NHibernate, NUnit, Nant, CruiseControl, NCover, Subversion, jQuery, JavaScript
- ✦ Integration with Telerik Sitefinity CMS



Overview

Jan 2006 - Oct 2008 (18+ months)

Design, development and delivery of a bespoke content management system and domain-specific language for the Music & Multimedia division. The CMS integrates with existing business systems to provide a quick and intuitive interface for managing digital content across multiple territories. The delivered CMS and DSL vastly improved the productivity of the in-house editorial and content teams, enabling them to provide a better service whilst reducing the dependency on other human resources.

Core Skills / Technologies

- ✦ Full end-to-end consultancy
- ✦ Agile methodology
- ✦ C# & VB.NET 2.0 WinForms & ASP.NET
- ✦ Web services and multithreaded components
- ✦ SOA architecture with MSMQ
- ✦ SQL Server 2005 database & stored procedures
- ✦ RSS & Atom syndication
- ✦ JavaScript & AJAX
- ✦ XHTML, XML, XSD
- ✦ Cruise Control, NAnt, NUnit
- ✦ UI design / web graphics
- ✦ Excel report generation



Overview

Oct 2007 – Feb 2008 (5 months)

Development of a high-profile intranet portal for frontline staff. Development of a code generation tool to enable rapid prototyping. Pioneered an improved source control and bug management system. Initiated development of an improved workflow application for the Securities and Loans team.

Core Skills / Technologies

- ✦ Client liaison and requirements analysis
- ✦ Regular engagement with Senior IT Architects
- ✦ Team-wide resource for technical issues
- ✦ C# 2.0 ASP.NET Web parts
- ✦ SQL Server 2000 database & stored procedures
- ✦ MOSS Sharepoint 2007 development
- ✦ HTML, JavaScript XML, OCAML
- ✦ UI prototyping
- ✦ Subversion server installation and configuration
- ✦ FogBugz installation and configuration



Overview

Mar 2006 – Nov 2006 (8 months)

Design, development and delivery of a complete white-label text messaging platform to enable the distribution of multimedia content to a range of mobile devices.

Core Skills / Technologies

- ✦ Full end-to-end development
- ✦ Technical resource to sales and marketing
- ✦ Agile (XP) development methodology
- ✦ C# 2.0 ASP.NET
- ✦ C# 2.0 Windows Services
- ✦ Web services and multithreaded components
- ✦ SOA architecture with MSMQ transport
- ✦ SQL Server 2005 database & stored procedures
- ✦ JavaScript, XHTML, XML, XSD
- ✦ UI design
- ✦ Cruise Control, NAnt, NUnit
- ✦ SMPP, SMS and WAP
- ✦ TCP/IP sockets programming
- ✦ Multimedia content transcoding
- ✦ Adobe Flash
- ✦ Hardware configuration and installation

Co-founder / Senior Developer, Cholo Consultancy Ltd

Nov 2002 – Dec 2005

Cholo Consultancy was a young and vibrant software development consultancy that I co-founded with two other developers. My role in leading the company strengthened my motivation, discipline and business acumen. Our first 15 month turnover exceeded £160k, with all business originating from client referrals. My responsibilities included:

- ✦ Requirements gathering, specification, design, development and delivery of numerous software solutions
- ✦ Research and development into cutting-edge technologies
- ✦ Management of sub-contracted developers, including prioritisation and task delegation
- ✦ Financial planning, payroll and accounting

Project highlights included:

Microsoft Research and development of a Microsoft Windows Media Centre application. Our prototype was used as the foundation for the MSN Music online service and subsequent white-label partners.

Core Skills / Technologies

- ✦ Full consultancy services
- ✦ Windows Media Centre 2005
- ✦ XHTML, JavaScript, AJAX
- ✦ VB 1.1 ASP.NET
- ✦ UI Design
- ✦ MSN & Tiscali Branding

loudeye. Research and development of a mobile music application in conjunction with a leading handset manufacturer. The application was showcased by the client at CeBIT 2005 with great success.

Core Skills / Technologies

- ✦ Full consultancy services
- ✦ Liaison with phone handset engineers
- ✦ XML, XSLT
- ✦ VB 1.1 ASP.NET
- ✦ WAP, XHTML MP
- ✦ Content transcoding and liaison with codec developers
- ✦ Technical documentation and handover

Coca-Cola Development of a voucher campaign system. Vouchers could be purchased online, or given away as part of an on-product promotion for later redemption against downloadable media content.

Core Skills / Technologies

- ✦ Full consultancy services
- ✦ Workflow design
- ✦ VB 1.1 ASP.NET
- ✦ SQL Server 2000 database & stored procedures
- ✦ Windows Services
- ✦ Deployment and server configuration
- ✦ Technical documentation and handover
- ✦ Support during the campaign

earthPort Research and development of a secure .NET integration toolkit for a leading micro-payment provider. The delivered solution enables businesses to integrate securely with the client's Java platform.

Core Skills / Technologies

- ✦ Full consultancy services
- ✦ Research into secure client-server communications
- ✦ JSP pages and Java
- ✦ ASP 3.0
- ✦ VB 1.1 ASP.NET
- ✦ Technical documentation and installation manual for 3rd party integrators

CARBONHOLD Development of an e-Commerce web site for the sale of imported consumer electronics. The web site featured a management interface for inventory, supplier integration and an order tracking facility.

Core Skills / Technologies

- ✦ Full end-to-end consultancy
- ✦ Liaison with senior management up to CEO
- ✦ VB 1.1 ASP.NET
- ✦ SQL Server 2000 database & stored procedures
- ✦ HTML, JavaScript, XML
- ✦ Windows services
- ✦ Deployment and server configuration
- ✦ Ongoing technical support

dreamtxt Development of a suite of mobile-messaging applications. A complete end-to-end service: client liaison, requirements gathering, specifications, design, infrastructure, development, testing, deployment and ongoing support.

Core Skills / Technologies

- ✦ Full end-to-end consultancy
- ✦ Project management
- ✦ Requirements and business analysis
- ✦ Direct liaison with CEO and COO
- ✦ VB 1.1 ASP.NET, VB6
- ✦ SOAP and binary messaging
- ✦ Active-X component development
- ✦ Technical resource to sales and marketing

Software Developer, On Demand Distribution Plc (OD2)

Oct 2000 – Nov 2002

OD2 is Europe's #1 supplier of white-label digital music platforms, acquired by Nokia in 2006 for \$60m.

My primary role was to develop the core e-commerce and distribution services. My responsibilities included:

- ✦ Design, development and maintenance of the white-label e-commerce platform and supporting sub-systems
- ✦ Research and development into relevant web and digital media technologies
- ✦ Code optimisation for high-performance and high-availability websites
- ✦ Interviewing, selecting and training additional developers
- ✦ Integrating the platform with high-profile partners, including; MSN, BT, Virgin and Blueyonder

It was very rewarding to work within a team of talented developers on the cutting-edge of technology. I gained invaluable knowledge and experience in developing enterprise applications and the myriad of complex issues involved.

New Media Developer, Bright Spark Marketing Group

Nov 1999 – Sept 2000

Academic

Education	The University Of Reading, Berkshire, UK				1997-1999
	Queen Elizabeth’s Hospital School Sixth Form, Bristol, UK				1995-1997
	Queen Elizabeth’s Hospital School, Bristol, UK				1990-1995
	Scholarship gained based on selective entrance examination				
GCSE	Mathematics	A	A-Level	Art & Design	C
	Design & Realisation	A		(Full A-Level in 1yr)	
	Science	A, A		Economics	D
	Art & Design	B		Mathematics	E
	Religious Studies	B			
	French	B			
	English	B			
	English Literature	C			
Other	Building Scalable COM+ Apps	PASS	University	Foundation Engineering (1yr)	PASS
	Cambridge Latin Level III	PASS	Level	BEng Electronic Engineering (1yr)	PASS

Interests

- Music** I’ve been writing music for many years. I was commissioned to write an orchestral piece for the 2006 BBC Wildscreen Festival, where I had the opportunity to meet with Sir David Attenborough.
- Photography & Travel** I’ve travelled throughout the world and have taken far too many photographs to even begin looking through. I enjoy digital photography, particularly reportage and landscapes.
- Reading** I enjoy reading software development related books and have an extensive blog roll which I read on a regular basis. I also enjoy listening to various technology and programming podcasts.
- Film** I am a keen film enthusiast and have built a custom media system for my home.

Comments

I am a motivated, disciplined and professional individual who enjoys complex problem solving and technical challenges.

I take my responsibilities and accountability on projects very seriously and always strive for the best possible outcome in any given situation. I would like to think that I am able to communicate effectively with colleagues and clients in all circumstances. I am able to lead a team towards a common goal as well as work alone using my own initiative.

I firmly believe that relationships are built on trust, integrity and performance. In the end it’s results that count. I have many clients who readily contact me with repeat business and recommend my services to others.

I have a passion for software development which I believe is evident in all of my work, both inside and outside of the office. I enjoy continually learning, building on my skills and remaining up-to-date with industry developments. I attend conferences and user groups and enjoy sharing my experience and passion for software with others.

I am in good physical condition, enjoy life and have a healthy sense of humour.

Recent LinkedIn Feedback (further references available on request)

Additional feedback available on my LinkedIn profile: www.codebrain.co.uk/linkedin

Gary Woodfine, Contractor, Northgate Information Solutions

“I had the privilege of working with Stuart and what a privilege it was. Stuart has an amazing capacity for knowledge of all things .NET and an absolute understanding of technology. If that wasn’t enough he also displayed extensive knowledge of every single phase of the SDLC. You would think that somebody with as extensive knowledge as Stuart, they would have an aura of arrogance, but this is not the case. Stuart has an approachable amiable manner, and a willingness to assist anyone with a technical issue. I would have no hesitation in joining a team with Stuart on it, and would have no hesitation in recommending him for any team. I believe he would make an invaluable contribution to any project team.”

Daniel Billing, QA Consultant, Northgate Information Solutions

“Stuart was a developer on a project in which I was a member of the test team. He is possibly one of the most innovative, accurate and professional developers I have ever worked with. His work is of a consistently excellent standard, day in day out. He possesses keen business acumen without losing sight of new technologies and processes in order to best fulfil the project aims. Highly recommended! I wish him well in his new endeavours.”

Dennis Edwards, Senior Developer, Northgate Information Solutions

“I had the pleasure and privilege of working with Stuart for several months recently on a major project. He is the most accomplished software developer I have ever worked with in my 23 years in the business, with an enormous breadth and depth of knowledge, both theoretical and practical, coupled with a totally professional dedication to getting the job done to the best of his remarkable abilities. As a .NET coder, he is out of the very top drawer, a master craftsman with most of the answers apparently at his fingertips, but his interests and skills cover every aspect of software production from conception to delivery, including the human and organisational ones. As a work colleague I found him very amiable, witty and well read, without geekiness or arrogance, and extremely generous and helpful to his colleagues. He would be a prize asset of great value to any organisation. Stuart, you have been a delight and an inspiration to work with and you deserve the best. Thank you and good luck for the future.”

Simon Webber, MVC Developer, Northgate Information Solutions

“I worked alongside Stuart at Northgate for 6 months, and had the pleasure of having him as my Team Leader for some of that time. He is at the top of the .Net development arena, always keeping ahead of the latest advances in tools & techniques. In addition he is very clearly passionate about software projects running successfully, and consistently tried to influence the direction of the project management to the better. Lastly, and unusual in such a talented developer, he also has a firm focus of the commercial aspects of the project, always looking for ways to make the team more efficient. I would wholeheartedly recommend Stuart and know that he will make a large and positive contribution to any team he joins.”

Paul Barnard, Software Developer, Northgate Information Solutions

“I had the pleasure of working with Stuart on a project in Bristol. He was an excellent development lead and mentor, always willing to assist new developers when they joined the team. I would gladly work with him again and wish him the best of luck with his endeavours.” September 15, 2010

James Bedworth, Senior Developer - SC Cleared, Northgate Information Solutions

“Stuart is an energetic, enthusiastic and highly knowledgeable developer who brings a wealth of experience to the development environment as well as inspiring those around him. He possesses a broad knowledge of all aspects of the development lifecycle and is well read on the latest practices. All in all it was a pleasure to work with Stuart as he is also a thoroughly nice guy. Every project should have a Stuart!”

Tatyana Temirbulatova, Sr. Presentation Layer Developer, Avenue A | Razorfish

“Stuart is absolutely brilliant, one of the most competent developers I've ever met. In addition, his humor and sharp mind light up any team. He is active and energetic, and not afraid to speak his mind. Stuart reads a lot, always keeping on top of the newest trends. He has many hobbies and interests, and excels in anything he does.” November 17, 2008

Jack Ukleja, Senior .NET Developer, Amnesia

“You know that famous software statistic, something along the lines of: ‘The most productive software developers are 8000% more productive as the least’. Well Stuart Cam is one of the “8000% more productive” developers. This is the guy that makes the difference between your software project succeeding or failing. This is the guy who turns around a doomed project and puts in on track to success. This is the guy who does what needs to be done, overcoming all obstacles. Not only that but he is a bloody good bloke, great at communicating, not arrogant or cocky, and understands way more about the software business than mere development. He's an entrepreneur who would be as comfortable Tech Directing, as optimising low level code.”

Shahram Banihashem, Senior .NET Developer, Amnesia

“Stuart is one of the best developers I've worked with. He's so passionate about software development, leading technologies, methodologies and tools. He's been a great Agile master and leader (with Scrum) during his cooperation with Amnesia. I strongly recommend him. Good luck Stuart on your journey.”

Juan C Deniz, CTO Amnesia Razorfish

“Stuart is one of the most gifted software developers I have had the pleasure to work with. An absolute asset to the team, Stuart experience and mad-skills were an essential ingredient to the success of a high-stakes, state-of-the-art web 2.0 application. Given his availability, I will certainly seek to work with him on future projects again.” December 20, 2008

Jonathan Conway, Senior .NET Developer, Amnesia Razorfish

“I worked with Stuart during the initial phases of the Channel V project. He provided direction and leadership and was critical to the success of the project. I wouldn't hesitate to recommend him for small and large-scale .NET projects.” April 19, 2009