

# Dan Matthews

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Nationality: British  
Date of Birth: 04.08.1975  
Current Position: Contract Developer

## Professional Profile

Microsoft certified programmer with a proven track record using Microsoft development tools. An excellent communicator with 15 years experience in software development and consultancy. Experienced in both web and traditional forms development with exposure to all elements of the development life cycle. Fully familiar with prevailing industry standards and methodologies.

## Core Technical Skills

Environments: c# & vb.net SOA & TDD enterprise development (framework v4.5 -> 1.1)  
MVC 3/4/5. Database development.

Web: ASP.Net, Ajax, jQuery, IIS 6/7/8, JavaScript, Node, Grunt, AngularJS, WCF services,  
HTML, CSS, XML, SOAP, WCF patterns, Classic ASP.

Frameworks / API's: Moq, Sitecore, EpiServer, Umbraco, NHibernate, Commidea, SmartPay, Lucene.

Database: SQL Server Azure, SQL Server 2012, 2008 [R2], 2005, 2000, MySQL.

Source Control: Git, GitHub, SVN, TFS, Mercurial, SourceSafe.

Other: Windows configuration experience, hardware installation & configuration.

Company	Position
NHS Trust (Healthcare)	Patient workflow web application.
Business Fitness (Publishing)	R&D cloud api integration.
NHS Trust (Healthcare)	Patient workflow web application.
NDA (Insurance portal)	Insurance under-writing claim portal.
Able Digital	Bespoke Data Import & de-duping software incl. Lucene API.
Activus (Insurance software)	Web services API for customisable insurance product.
Bray Leino (Digital Agency)	High-volume retail site using Umbraco.
Ego Interactive (Digital Agency)	High-volume retail site using Sitecore.
intY (Cloud-based services)	Cloud-based service provisioning portal.
True digital (Digital Agency)	Content Management System – EpiServer implementation.
Blue Tahiti (Data processing)	SQL Server Developer.
Dyson (Manufacturing)	Multi-lingual global competition website
Hotelscene (Corporate accommodation)	Hotel booking system with Google Maps integration, PCI compliant billing module.
Healthcare At Home (Healthcare)	Billing & Resource Management Web portal.
Welsh Assembly (Public sector)	XML data exchange.
Occam (Direct marketing)	Data cleansing tool-set.
VOSA (Public sector)	Pocket PC real-time road-side data capture application.
VOSA (Public sector)	Intranet redevelopment.
ETR (Public sector)	Ground-breaking European Emissions register.
Government Gateway (Public sector)	Development of the central Government web portal.
BT.com (Telecoms)	Proof of concept for a new content management system.

Please note I am only available for **BRISTOL CONTRACT** roles.

## Project Experience

NHS Trust: Clinical assessment software (Jan 2105 –)

Contract developer

Functional enhancements for software which enabled clinical staff to perform board rounds more efficiently and with less errors. There were extensive database enhancements as well as front-end and server-side upgrades. The software was a strategic tool in making process improvements in the hospital.

- .Net framework v4.5
- MVC 4
- Websockets messaging
- SQL Server 2008 R2
- TDD (Moq)
- Git
- EF 6
- RESTFUL external service integration
- jQuery

Business Fitness: R&D cloud api integration (Oct – Dec 2014)

Contract developer

Research and Development role for a publishing business. During the three month role various research projects were developed to provide the business with a firm understanding of the viability of different technical offerings based on third party (Microsoft) cloud Api's.

- .Net framework v4.5
- MVC 4
- AngularJS
- SQL Server Azure
- TDD (Moq)
- Git
- Office 365 Api integration
- Grunt
- jQuery

NHS Trust: Patient surgery workflow (Apr – Sept 2014)

Contract developer

A web-based system for controlling the flow of patients undergoing surgery in a flagship 'super-hospital'. The emphasis on the system was ease of use and quick interaction so it was designed to make extensive use of drag and drop functionality. The development team was four strong and required wide-spread TDD for ensuring the system was ready for external QA and subsequent release.

- .Net framework v4.5
- MVC 4
- Websockets messaging
- SQL Server 2008 R2
- TDD (Moq)
- Git
- EF 6
- RESTFUL external service integration
- jQuery

NDA: Insurance portal (Feb – March 2014)

Contract developer

Agile development of an Insurance / Underwriting claim portal. The project was developed in very tight deadlines by a team of three developers. The system had to connect to two third-party API's - a proprietary insurance API and Amazon's file storage (S3) cloud service.

- .Net framework v4.5
- MVC 4
- SQL Server Azure
- Amazon S3 Web services
- RESTFUL SOA
- Git
- EF 6
- Responsive design (desktop, tablet, mobile)

Able digital: Financial Services software (Dec 2013 – Jan 2014)

Contract developer

Sole developer / analyst tasked with creating a bespoke data import system. The software was responsible for analysing, de-duping/cleansing and then importing massive datasets in to a SQL Server 2008 R2 database. It utilised WCF services for certain operations and also integrated with an existing web-site via the Lucene indexing API. Geolocation / spatial search functionality was also written to enable users to query the data in an intuitive and useful way.

- .Net framework v4
- WCF Service
- Lucene API and Geolocation logic
- Sql Server 2008 R2
- Mercurial

Activus: Insurance software (August 2013 – current)

Contract service developer

Development of a new WCF service to support SEPA financial transactions. The development was time-critical to ensure it was delivered to the clients prior to EU deadlines for the support of Sepa Euro banking payments. The SOA architecture allowed for a highly testable, customisable software suite.

- .Net framework v4
- WCF SOA
- TDD (NUnit)
- Sql Server 2008 / Oracle 11g
- NHibernate ORM
- Subversion / Tortoise SVN

Bray Leino: High volume retail site (Nov 2012 – June 2013)

Contract web developer

Development and support of a high-volume asp.net site for an outdoors equipment specialist. The project used Umbraco for content management and Entity Framework 4 for ORM to a SQL Server 2008 R2 database. The solution used the Commidea web service for payment processing.

- ASP.net / .Net framework v4
- SQL Server 2008 R2
- Barclays SmartPay integration
- Umbraco CMS
- jQuery
- Subversion / Tortoise SVN

Ego Interactive: Sitecore Implementation (2012)

Contract web developer

Development of a high-volume site delivering Adobe Flash streamed music tutorials and traditional music-related products (DVD's / CD's etc). The project used NHibernate ORM for data access and Sitecore for fully customisable content management. The solution used the Commidea web service for payment processing.

- ASP.net / .Net framework v4
- SQL Server 2008 R2
- Commidea Payment engine integration
- Sitecore CMS
- jQuery

True Digital: EpiServer Implementation (2011)

Contract web developer

Development of a highly customised CMS using EpiServer components for a multinational insurance company. The project involved creating customised publishing tools and associated templates which provided maximum flexibility whilst maintaining ease of use.

- ASP.net / .Net framework v4
- Entity Framework 4
- NUnit
- EpiServer CMS
- jQuery

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Hotelscene: Payment functionality for corporate website (2010)

Contract web developer

Development of a new PCI compliant billing solution for an existing website. The development was very well received by pilot users. It increased the stability of the site & significantly reduced the administrative burden on the business by using transactional patterns and implementing robust auditing.

- ASP.net v3.5
- jQuery validation and DOM manipulation
- SQL Server 2008

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Blue Tahiti: Bulk SQL data transformation (2009)

Contract SQL developer

Creation of a data transformation framework designed to processing millions of insurance and marketing records for multi-national clients.

- SQL Server 2008
- High-volume datasets

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Dyson: Global engineering competition (2008/2009)

Contract web developer

Redevelopment and bug-fixes to a high-traffic global site. The role required a high degree of autonomy and organisation as the original development team were not available for knowledge transfer.

- ASP.Net (v3.5 & v2 framework) web application
- SQL Server 2008, LINQ to SQL data access
- Multi-lingual site with dynamic translation CMS

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Hotelscene: Corporate hotel booking site (2008)

Contract web developer

Development of a web site providing Hotel Search and Booking relying heavily on Web 2.0 technologies.

- ASP.Net (v3.5 & v2 framework) web application
- jQuery & 3<sup>rd</sup> party plug-ins
- Microsoft WCSF framework (MVC pattern)
- JSON service communication
- Integration with Microsoft mapping (Bing & Multi-map API's) for advanced UI functionality
- Extensive use of WCF Services
- AJAX tool-kit
- LINQ
- SQL Server 2005 database schema design & programming

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Healthcare At Home: Billing & Resource portal (2007/2008)

Contract web developer

Development of an Intranet web application providing real-time billing and resource allocation via an integrated portal linked to an existing (legacy) PDA application.

- Integration with Sage and Ascent CRM system
- Extensive use of Infragistics component library
- ASP.Net (v2 framework) web application
- AJAX tool-kit
- VB.Net back-end components
- SQL Server 2005 database schema design
- LLBLGen generated data-access components
- Entity design and process mapping

Creation of the Department's XML Schema's to ensure interoperability between other departments and external clients, and development of a web-based application which utilised the schemas.

- Technical lead for the project
- Compliance with Government e-Gif standards for XML
- ASP.Net (v2 framework) web application
- C# back-end components
- Re-design and optimisation of the SQL Server 2005 database

Conversion of a legacy FoxPro system to the .Net (Framework v2) platform. The system re-write encompassed all of the major elements of the company's back-end data processing suite. This contract required a high degree of stewardship to the junior developers and necessitated a steep learning curve of the FoxPro product in order to successfully implement the conversion. The finished product provided massive performance and security benefits and enhanced system maintainability.

- WinForms User Interface and integration to legacy UI processes.
- SQL Server 2005 database
- XML-based work-flow
- Sole consultant contractor on the project, technical lead for C# development
- Required significant integration with existing FoxPro products
- C# back-end components

### Qualifications

- 1st Class Honours in Print Management
- MCD in C# and ASP.Net
- UML Design and Development Diploma
- 3 A Levels
- 8 GCSE's (including Maths & Physics)

### Training

- ASP.Net
- Microsoft C#
- .Net Windows Forms Programming
- COM+
- XML
- C++
- Java
- VB6
- Visual Interdev
- Stellent, BroadVision & BladeRunner Content Management

**Personal Interests** Long distance running, Cycling, Squash - former County Junior, Photography, Chillies.

**References: Available on Request**