

## Curriculum Vitae

## Trevor Clark

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### Skills:

- Visual Basic.Net 2005 – 4 months
- Visual Basic.Net 2003 – 18 months
- Visual Basic to version 6 – 7 yrs
- ASP.Net 2.0 beta – 2 months
- SQL Server 2005 – 4 months
- SQL Server 2000,7, 6.5 – 5 yrs
- ADO – 4 yrs
- JavaScript – 2.5 yrs
- UML – 5 yrs
- MS Access VB - 4 yrs
- C# – 4 months
- ADO.NET – 1yr
- ASP /Visual Interdev – 2.6 yrs
- XML – 2yr
- COM/COM+ – 3 yrs
- HTML/DHTML – 2 yrs
- MS Excel VBA - 4 yrs
- Crystal Reports 7 – 1yr
- Microsoft Visual Modeller – 2 yrs
- Visual Source Safe – 5yrs

### Education:

MCP Visual Basic 6 Distributed Exam 70-175  
 MCP Visual Basic 6 Desktop Exam 70-176  
 BSC (HONS) Electrical and Electronic Engineering  
 P.G.C.E. In Mathematics  
 BTEC HNC – Introduction to C  
 BTEC HNC – Software Design using C++  
 British Computer Society Part 1 Examination

### Employment History:

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**April 2006 – Current** **bss Ltd.** [www.bss.org](http://www.bss.org) – Technical Team Leader (Contract 10 mth renewed twice)

**bss** provides outsourced contact centre and fulfilment services. Their clients include: BBC, LearnDirect and the Home Office. Trevor led a team of 3 developers and a DBA creating web based solutions for bss's CRM system. Projects included:

- Scheduling of outbound calls using ASP.Net and C#
- Automated creation and deployment of campaign scripts in Onyx CRM using T-SQL.
- Modification of campaign script page behavior in JavaScript using Microsoft Visual Studio Web Developer.
- Creation of new Change Request Process.
- Planning and communicating the development team's work schedule using Microsoft Project.
- Development of advisor scripts using Onyx Enterprise Studio.
- Creation of SQL Server DTS packages for data analysis.

**Nov 2005 – Feb 2006** **DVRX Ltd.** [www.dvrX.tv](http://www.dvrX.tv) – Technical Consultant (Contract 4 mth renewed once)

DVRX is a European based manufacturer specialising in digital video recording solutions for public transport applications like buses, trams, trains and police vehicles. Trevor was a technical consultant responsible for the design and implementation of the video viewing and downloading software for use over Wireless Network. The following technologies were used:

- Multi-channel video viewing application implemented in Visual Basic 2005 using a multithreaded finite state machine to provide maximum user responsiveness while maintaining the fastest video download speed.
- Local SQL Server 2005 database to hold, vehicle, DVR and download tables. These were accessed from the application using Typed Datasets, ADO.Net and stored procedures.
- Interpretation and implementation of video recorder protocols at binary level.
- Interfacing with JPEG2000 and JPEG image and video encoders from Morgan Multimedia, Aware and Lead Technologies using DLL calls.
- Manipulation of images using GDI+.

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**Sep 2005 – Nov 2005 IMAGE360 Ltd.** [www.image360.eu.com](http://www.image360.eu.com) – Technical Consultant (Contract. 2 mth)  
 IMAGE360 creates panoramic virtual tours for estate agents and tourist agencies all over Europe. Trevor was a technical consultant tasked with design and development of a web based automated image processing and web site creation system. The project included the following features and technologies:

- Workflow web site created to upload client photos along with text descriptions. Web pages created in ASP.Net 2.0 and C# 2005. Communication to the database written in ADO.Net.
- Design of database using normalisation techniques and implemented using MySQL.
- Thumbnail versions of jpegs where created using .Net GDI classes.
- Separate application to process images, create property web site from template and then zip ready for client download. Realised as a multi-threaded C# Windows forms application, so that it responds to asynchronous calls from the web site while maintaining maximum throughput of processing requests. A façade class for Photoshop CS2 so that images could be translated from an annulus to a flat strip and a decent parser to create finished web sites from templates and custom XML tags.

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**May 2004 – Sep 2005 Wiltshire Energy.** [www.wiltshireenergy.co.uk](http://www.wiltshireenergy.co.uk) – Technical Consultant (Contract. Initial 3 mth renewed 4 times)

Wiltshire Energy provides software solutions and consultancy to the UK Utilities market. Trevor was a lead developer within a team of 4 responsible for developing new functionality within existing systems including:

- **Tax project.** Analysis and documentation of client requirements using Use Cases and UML. OO design of Tax Component architecture and Customer database in SQL Server 2000. Refactoring of the Electricity billing engine to segregate tax. Implementation of tax in .NET using inherited Typed Datasets to create business objects. Tax Component interfacing with VB6 CRM programs using InterOp.
- **Data Access Layer project.** Creation of ADO.NET data access layer component that provided a common interface for both SQL Server and OLEDB data providers. Configurable via XML
- **Electricity Tariff maintenance** user interface in VB6. Design and implementation SQL Server 2000 database.

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**Mar 2000 – May 2004 Generic Software Consultants - Analyst Programmer** (permanent employee)

Generic Software Consultants is an IT Services company. Trevor was employed as an Analyst/Programmer and was deployed to the following clients:

**Jan 2003 – Apr 2004 Assignment # 2 – Centrica Business Services** (initial 3 months, renewed 4 times)

Trevor was part of a development team of 14 that were responsible for developing the bespoke Electricity and Gas Invoicing systems within Centrica used by 1000 staff. Projects have included:

**Implemented New Electricity Distributor regulatory changes** (New Electricity Trading Arrangements Balancing and Settlement Code P62) from customer registration, through pricing to billing. **Matching of payments and invoices** using customer defined algorithms. **Electronic registration** of customers by external sales agents over the internet. Technologies used: VB6.0 multithreaded ActiveX components combined with a managing state machine to speed up batch processes. N-tier web based applications using HTML, VB Script, Java Script, XML, XSL, IIS, COM+ components, ADO and SQL Server 7.0. Performance tuning of large SQL Server stored procedures.

**Mar 2000 – Nov 2002 Assignment # 1 – Maritz Ltd.** (Initial 3 months, renewed 5 times)

Trevor's role involved all stages of the development life cycle.

**Honda Project:** He developed the Honda Agenda and Demonstrator car dealership incentive scheme. Negotiated user requirements using UML Use Cases. Designed the n-tier system architecture using Microsoft Visual Modeller and OOA/D processes. Developed the [www.Honda-Agenda.co.uk](http://www.Honda-Agenda.co.uk) website using ASP, JavaScript and ADO and XML based security features; stored procedures, views and tables for SQL Server 7; Supervised the work of a team of 4-developers.

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**Oct 1997 – Mar 2000 Gemini Data Loggers** <http://www.geminiataloggers.com/> – Technical Co-ordinator  
 Developed a series of graphical data analysis front ends to supplement the core logger control software using Visual Basic 5, 6. Wrote core data processing Active X component using Python and COM.

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**Oct 1992 – Sep 1997 Wispers School for Girls – Teacher of Information Technology and Mathematics**

Trevor was responsible for A Level and GCSE courses in Computer Studies and Mathematics.

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**Oct 1990 – Jul 1992 West Sussex Institute of Higher Education - Mature Student**

Trevor studied for a P.G.C.E in Mathematics.

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**Sep 1988 – Aug 1990 Test Plan Service**

Trevor developed test software and electronic interfaces. Software was written in Quick Basic.

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**Sep 1985 – Sep 1988 Vosper Thorneycroft**

Trevor created software simulations and test programs for engine control systems.