

Robert Perry – Curriculum Vitae

Personal Details

Name: Robert Perry

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Education

O-Level Passes (1973)

English Language, English Literature, Mathematics, Physics, Chemistry, Biology

O-Level Passes at A-Level (1975)

Mathematics, Chemistry, Biology

MCP Exam 305 (2005)

Developing and Implementing Web Applications with Microsoft Visual Basic.NET.



Plus assorted courses over the years, including Database and SQL performance tuning, Unix shell scripting and Object Orientated Design.

Key Skills

Primary Skills

- ❖ **Visual Studio .NET (Versions: 2002, 2003 and 2005 (.Net2))**
 - C# (Strong)
 - VB.NET (Strong)
 - ASP.NET (Strong)
 - ADO.NET (Strong)
 - *Winforms (Average)
 - Web Forms (Average)
 - *Windows Services (Strong)
 - Web Services (Average)

*Includes multi-threaded applications

- ❖ **SQL Server (Versions: 7, 2000, 2005)**
 - Database Design (Strong)
 - Performance Tuning (Strong)
 - T-SQL (Strong)
 - Stored Procedures (Strong)
 - DTS/SSIS Packages (Average to Strong)
 - Service Broker (Average)

- ❖ **Full Development Lifecycle**
 - Feasibility
 - Technical Analysis
 - Design
 - Development
 - Testing
 - Implementation
 - Maintenance

- ❖ **Object Orientation**
 - Inheritance
 - Polymorphism

Secondary Skills

- ❖ **Visual Basic (All versions from version 3)**
 - Visual Basic (Average)
 - ADO (Average)
 - DAO (Average)
 - COM/COM+ (Average)
- ❖ **Web Development**
 - HTML (Strong)
 - Classic ASP (Strong)
 - CSS (Strong)
 - Dreamweaver (Average)
- ❖ **Other**
 - Unix Shell Scripting (Average)
 - Sybase (Average to Strong)
 - Crystal Reports (Average)
 - SQL Server Reporting Services (Average)
 - XML (Average)
 - VBScript (Good)
 - JavaScript (Average)

Business Knowledge

- ❖ **Investment Management**
 - Valuations (Good)
 - Equities (Good)
 - Fixed Income/Bonds (Good)
 - Foreign Exchange (FX) (Good)
 - Derivatives (Average)
- ❖ **Other**
 - Stock Control (Good)
 - Publishing (Good)

Contract History

1st November 2007 to 31st January 2008 – Travelex

Travelex are one of the leading suppliers of foreign currency pre-paid credit cards for the travel industry. They are now offering a Corporate version of this service, where a company subscribes to the service and provide details of employees and amounts to be loaded to the card via xml files sent over secure FTP and/or a VPN to a web interface. The actual cards are managed and serviced by a 3rd party, eFunds, via API calls.

This contract was to develop a suite of applications and a web site using a SQL Server 2005 database to interface to the subscribers and to the 3rd party card management system. The system consisted of a single database, two Windows services, a console application and a small web site.

I have been responsible for the database design and developing the functionality to monitor for incoming files, validating the format, loading to the database and sending a response file indicating the status of the load.

As each subscriber can have their own data requirements and file formats XML and XSLT have been used extensively, with XSD to verify the formats. I also developed the console application to email monthly statements in both HTML and plain text format.

The system had to be fail-over safe (it has to run 24/7) and be able to prioritise the file processing as loading values to cards is time critical.

July 2002 to end October 2007 - Threadneedle Asset Management

An initial 3 month contract to transfer data from the DST Hilinvest/Sybase Front Office System to Latent Zero Minerva/Sentinel/Tesseract system has lead to continued renewals covering a multitude of projects and initiatives. This has required me to undertake all stages of the development lifecycle, including working with the Business Analysts to define and document user requirements, through technical analysis, design and development into the testing, implementation and maintenance phases.

Threadneedle took the decision to move to a fully Microsoft development environment in early 2002, and have used Microsoft .NET since the initial release in 2002, migrating to the 2003 and 2005 (.Net2) versions as they became available. Initial developments were in VB.NET (as most of the developers were already proficient in VB), but moved to C# in 2005. Since 2006 all development has been done using C# and SQL Server 2005. All development is done using object orientated, n-tier architecture.

These decisions have allowed me to gain extensive experience of developing

- Multi-threaded Windows Services
- Winforms
- Web forms (ASP.NET)
- ADO.NET interfaces
- Web Services
- DTS/SSIS packages
- Crystal Reports
- SQL Server Reporting Services Reports
- SQL Server Broker Services

Most recently (since March 2006) I have been working on a data warehousing project for the Quants team.

This is an n-tier development in SQL Server 2005 and C#, using Partitioned Tables, SQL Server Service Broker, and making extensive use of XML and CTE (Common Table Expression) features of the database. I have been responsible for the database design and

development (mostly Stored Procedures and SSIS packages) and the development of several of the layers of the n-tier development including the User Interface API, web forms for data maintenance and data access using the Microsoft Enterprise Library. I devoted a significant amount of effort to performance tuning the database and stored procedures as there are many millions of records in several of the tables.

February 2002 to July 2002 - Morrison Construction

This contract was with the Repairline division of Morrison Construction, whose primary business function is the management of property repairs under insurance claims. My primary function in this contract, initially 2 months but extended to five months, was maintaining, developing and tuning their primary business system (written in Access linking to a SQL Server database) and developing an Internet/Intranet alternative for remote working. This was produced using Dreamweaver. I also produced a reporting system in Visual Basic, making strong use of COM, for Service Level Agreement monitoring. The contract would probably have been extended again, but Repairline has been sold and the buyers have their own IT system and department.

June 2001 to January 2002

During this period I developed a product, ShowOnline, which allows a fully customisable website to be generated and uploaded from a PC based database. This was written in VB 6 utilising DSN-less ADO to connect to any ODBC compliant database (by default Access 2000) and uses various COM objects to control the Internet connection and file upload of the web pages making extensive use of CSS.

Unfortunately this coincided with the recession and I was unable to generate enough sales and had to return to contracting.

June 1999 to June 2001 - J P Morgan Chase Investment Management

An initial six month contract extended three times to total almost 2 years, developing and supporting Order and Cash Management systems for Foreign Exchange, Equity, Fixed Income and Money Market trading. The user interfaces are written in Visual Basic 5 (some in Visual Basic 3), with Sybase as the database. The position involved the development and maintenance of both Visual Basic and Sybase Stored Procedures, including extensive performance tuning of the Stored Procedures. Crystal Reports was the standard reporting tool. Although I was once again offered an extension I declined as I felt I wanted to expand on my other skills.

November 1997 to May 1999 - Barclay Stockbrokers

Originally a six month contract, extended to 18 months. Part of the Technical Infrastructure Team, responsible for writing systems to control code release and providing interfaces between Windows NT, Sybase and Unix. I designed and wrote a system using VB5, Sybase and Unix scripts to provide a workflow/MIS analysis for change requests, which also controlled the release of the (20,000) Unix Cobol code modules which comprise the core stockbroking system. This used ADO to interface to the underlying Sybase database and Document Automation/COM to interface to various analysis/reporting tools. My other main area of responsibility was writing, tuning and providing technical support for stored procedures and Transact-SQL queries on Sybase System 11 & ASE. Some of the initial development of the SQL was performed on SQL Server as it allowed each team to develop in isolation before the system was assembled for testing.

Permanent Employment Summary

July 1996 to November 1997 - Thomas Cook

Senior Analyst Programmer

Providing support and development for the Travellers Cheque Refund system, written in Visual Basic 3 and 4, Access and Unix, running against a Sybase database.

July 1991 to July 1996 - Trade Service Information Ltd

Development Manager/Project Manager/Systems Analyst/Database Designer

During my 5 years at Trade Service Information I undertook several roles (sometimes concurrently) and was responsible for converting both the Sales Ledger System and the core business systems from batch processing on NCR mainframes to online Oracle systems on a Unix platform.

April 1989 to July 1991 - Norwich & Peterborough Building Society

Senior Analyst Programmer/Team Leader

During this period the Norwich And Peterborough were converting their NCR mainframe mortgage and investment systems, written in the proprietary NCR language NEAT and Cobol, to run on Unisys systems, using the proprietary Linc database/programming language. I was responsible for the ongoing support and development of the existing mainframe systems during this period.

February 1988 to April 1989 - Royal Insurance

Pensions System Business Analyst

February 1981 to February 1988 - Trade Service Information Ltd

Mainframe Operator/Programmer/Senior Analyst Programmer

1975 to 1982

Various positions, none computer related.

Hobbies and Interests

I enjoy various sports and regularly play golf (badly!) and darts for my local team. I also enjoy cycling with my family and I am a member of the various local committees.