



ICS DreamTeam Member No 604

Profile:

A Test Consultant / Developer who has gained 8 years hands on commercial experience in a programming / database environment involving end-to-end system development and Functional and Non-functional Testing. Experience of Enterprise Application Integration using BizTalk Server 2000/2002/2004 and SQL Server 2000 database systems. Programming skills in MS C#, .NET, SOAP XML/eBXML, Informix 4GL, Perl applied on key projects for Netscalibur and Accenture.

Technical Skills Summary:

Operating Systems: HP9000 UNIX, Solaris, SunOS, SCO UNIX, Linux (Redhat/Debian), Windows 2000 Professional, Windows XP Professional, Windows 2003 Server
Hardware: IBM PCs Compatibles, Intel-based machines (Pentium), Sun Sparc
Languages: C#, XML, XSLT, eBXML, Perl, HTML, CSS, VBScript, Java-script
Middleware: Microsoft BizTalk 2000/2002/2004 Server
Microsoft: SharePoint Server 2003
Databases: SQL 2000 Server, MYSQL
Comms Networking: TCP/IP, Ethernet
Source Code Control: CVS & SCCS under UNIX HP9000
Web Server: IIS 6, Apache 1.3.9 Web Server with Mod Perl
Test Tools: Mercury TestDirector 8.0, WinRunner 8.2

Work Experience:

From – To: 3rd May 2007 – Present
Role Title: BizTalk 2006 Test Consultant
Description: Currently I am testing the Inspec Ideas system via ADC/OCR/DOC Conversion with BizTalk 2006. The test preparation includes the deployment of BizTalk 2006 onto test machines taken from latest deployment builds, and deploying the latest Inspec ideas GUI application onto ideas test systems. Also as part of testing preparation restoration of the Inspec IdeasBeta2 database taken from live backups onto test machines and wrote SQL 2005 test scripts to create the feed parameters in preparations for the various publication feeds – 23 publication Journals in total. Tested the Inpec XML schema to conform to business requirements, and raised over 120 bugs each assigned to either Critical/Urgent/Cosmetic related to BizTalk/Orchestrations/ADC/OCR & Doc Conversion via the Visual Studio 2005 TFS bug management reporting system. Communicating results back to Project Manager & colleagues in an agile environment, and reporting back to the business in daily scrum meetings on the progress with the overall system testing. Highlighted critical issues with ADC, OCR and Document conversion, and raised critical concerns with BizTalk timeouts which were occurring too frequent which had caused a major disruption to business continuity. I further identified the cause of the problem which required BizTalk re-configuration and incorporated separate host instances one for SQL and one for the Receive & Send hosts which has

improved the performance of the system dramatically. The re-configuration changes went onto a test system and was thoroughly tested, and the results was remarkably positive eliminating all the timeouts between BizTalk and the Inspec GUI system saving the company thousands in lost revenue.

Customer: The Institution of Engineering and Technology (www.theiet.org)

From – To: 4th Dec 2006 – 30th March 2007

Role Title: Senior Integration Analyst Developer (Contract)

Description: Enhanced and maintained interfaces between corporate databases and applications. Developed SQL NHS patient details view and built the Web Services for Dict8 Medical Transcript system that allowed Consultant practitioners to view patient details on Dict8 client machines

Customer: Wexham Park Hospital NHS

From – To: 14th September 2006 – 13th October 2006

Role Title: BizTalk Consultant

Description: Performed functional and performance tests to fulfill the end to end testing of the JDW distribution system and regression testing of all file scenarios. Completed performance and volume testing of BizTalk 2004 to investigate the performance of BizTalk for handling large volumes of dehydrated orchestration instances for Purchase Orders, Goods Received Notification (GRNs), Cancellations and Payments. Developed SQL stored procedure scripts to load into JDW_PubOrders database with 3 years test data to analyze the effects of dehydrated orchestration instances. Using performance counters I was able to determine key performance identifiers that revealed a performance issue with 5000 Purchase Orders due to the high disk queuing on the SQL Server

Customer: Leading UK retailer / ICS Solutions

From – To: 3rd July 2006 – 1 September 2006

Role Title: Test Consultant, e-testing Consultancy (Contract)

Description: Much of the testing carried out was initially exploratory testing. Started to initially uncover and capture as many bugs as possible based around the Requirements document and Test Plan. I was also able to identify certain described functionality from requirements sometimes conflicting with website functionality and minor changes were made. For example in the Chandlery page section the Quick Search form had missing distance and postcode fields but in requirements describes them as having them. Most of the site bugs were cosmetic relating to discrepancies in the data and missing boat photos. Some related to incorrect functionality for example 'Next' and 'Previous' links caused the page counter to malfunction. Also tested the credit cards payment section that handled customer payments ensuring payments were received by the site. This is just a few of the 237 bugs that were uncovered and the client was pleased with the overall work. As the testing progressed these issues were formalized into test scripts and fixed defects were re-tested and reported back to the client. The testing was completed in time despite problems with a VPN connection which was later resolved in cycle two of testing

Customer: Marine Trader Media Website

From – To: 26th October 2005 – 16th February 2006

Role Title: BizTalk 2004 Test Lead (3 Month Contract)

Description: Completed performance and volume tests of BizTalk Server 2004 dehydrated orchestrations for Amazon Seattle project which has highlighted design issues within dehydrated orchestrations. Completed functional tests for Amazon Seattle OS390XML Adaptor – results of findings revealed OS390 receive poller throughput speed below expected requirement. Recorded findings using Perfmon counters to establish

performance of adaptor under load and using Test tools like DoneRunner (Tweaked version of Loadgen) for the load generation of synchronous & Asynchronous type messages. Also built a custom vbscript to load Asynchronous type messages that required a unique GUID.
Unit and Integration testing of legacy systems M204 HC01/ObjectStar Mainframe (GRD,FRD –Foods, Loyalty, ImageBank, MAS & MSA) with BizTalk 2004.

Customer: Marks & Spencer Stockley Park Head Office

From – To: 26th April 2004 – 30th May 2005

Role Title: BizTalk 2004 Technical Test Consultant/Developer

Description: I was contracted to Accenture working on the world's largest civilian I.T. project and the world's largest BizTalk Server 2004 implementation as the core technology behind their winning Local Service Provider bids as part of the NHS's National Programme for IT (NPFIT). Due to extensive confidentiality agreements, please refer to public sources for project details. I was mainly involved with the automated functional testing of BizTalk Server 2004 with NHS custom built components - also assisted with problem-solving and fixing issues especially with the BizTalk SOAP/ebXML HL7 payload messaging issues from iSOFT (NHS Patient Management care system). I was also writing technical test scripts using Mercury Test Director Version 8.0 based on NHS Operations Acceptance Criteria and involved with Systems Testing, Functional and Regression testing of the BizTalk NASP (National Applications Service Provider) architecture using the NASP test harness. I was also the Technical Test Lead mentor for the NHS P1R1c/d release for the BizTalk Legacy Integration Application Operations team.

Customer: Accenture NHS / Leeds Project

From – To: 2nd February 2001 – 30th April 2003

Role Title: Business Analyst & Developer

Description: Billing System Integration with BizTalk Server:

I used BizTalk 2000/2002 Integration engine to update the billing system for Direct Debit Paying Customers. I Developed a Custom Preprocessor in C# which uses regular expressions to separate header and footer lines within the file. I developed the Inbound and Outbound document specification template file that used BizTalk Mapper to map the fields contained within the file. Then I configured BizTalk Receive Function folders to allow the Finance Manager to drop the unpaid accounts file into the 'Returns' folder. This was then processed by BizTalk converting the file into XML and transporting it through HTTP to a remote server script on the billing machine. I developed the Perl script which uses the SOAP Lite module to extract the XML data coming from BizTalk. The server script then updated all the unpaid accounts and emailed the Finance team whose job it was to chase up the payments – this allowed payments to be made within the billing cycle.

Customer Online Billing Details System:

Developed companies web based Perl/CGI system that allowed Customers to view their invoice and service type details online. The system also provided the customer with a CSV link allowing them to download their details onto an Excel Spreadsheet. For Security, customers were authenticated first on Radius machines which contained their login and password details. Using Perls Radius.pm module the userid and password was checked for authenticity and again checked against the billing system making sure that the account was still active. The system also used Perls MD5 based encryption scheme that generated a unique session id and only allowing one response per session ID. See URL <https://www.netscalibur.co.uk/perl/cgi-bin/listb>

Informix Database Trigger - Developed the Database Trigger for customers purchasing dial-up connectivity. The Trigger would call a Stored Procedure each time a new customer was being added to the system. The Stored Procedure transferred the customer details to the Rightnow Web MySQL database located on a remote machine. A Perl server script (setpass.pl) searches for these new customers and e-mails the password and login details to the customer allowing them to use the service once they have paid.

Data Migration:

Involved with transferring companies Informix Database data (>300 Tables) to SQL 2000 database schema using SQL Server Enterprise Manager DTS.

Internal Web Based Reports:

Developed Internal web based reports in Perl/CGI detailing customer account information, Top 20 Customers Report, Monthly new and closed users report that was accessed on the staff intranet.

Customer: Netscalibur UK Ltd (ISP)

From – To: September 1999 to 30th January 2001

Role Title: Telecoms Division Web-Site Administrator

Description: I was Involved with administering and enhancing the Telecommunication's division news page using Perl CGI / HTML / JavaScript and VB Script running under Apache 1.3.9 as the Web Server and MYSQL as the database engine. In addition, using Perl/CGI developed a web Interface that enabled site Administrators to maintain data displayed to internal staff.

Customer: Logica UK Ltd

From – To: 3rd November 1997 to April 1999
Role Title: Analyst Developer with client KPN Orange
Description: Using Informix, 4GL/SQL developed the Customer Address Interface, added a new Pre-Pay functionality and made enhancements to the Orange UK Billing System required for the mobile carrier KPN Orange based in Belgium. Later became the Technical Team leader developer responsible for supporting the system, and leading a team of four members. In this role as well as code updating, wrote many 4GL programs and Perl scripts to help improve solutions to the customer care and billing system.
Customer: Logica UK Ltd

From – To: 15th November 1995 to 27th October 1997
Role Title: Analyst Programmer
Description: Joined UK's largest property developers as an INFORMIX 4GL/SQL developer and developed mainly in-house Informix 4GL applications.
Customer: Countryside Properties Ltd

Education:

1993 – 1995 University of North London, BSc (Hon) Computing & Mathematics Grade 2:2
1991 – 1993 University of North London, BTEC HND in Mathematical Studies
1990 – 1991 South Bank University, BSc (Hon) Engineering Systems Design
1987 – 1990 Waltham Forest College RSA Level I Information. Technology. Distinction
Studied 2 A - levels
1983 – 1987 Tom Hood Senior High School 5 'O' Levels