

## Matthew Cunliffe Senior Test Analyst



### Contact Details

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### Profile

I am a highly experienced **senior test analyst** with over **ten years experience** in testing, with a wide understanding of system and integration testing, both manual and automated. I hold both the **ISEB Foundation** and **Practitioner** certificates in Software Testing.

I have a strong knowledge of multiple programming languages and SQL which I have utilised to produce numerous **test harness** and metric gathering utilities. For most of my contract work I have developed proprietary test logging applications for use on each project.

I have a methodical view to the development of full lifecycle test documentation adhering to commonly utilised standards. I have worked in national and local government, energy and financial sectors.

### Career History

#### Capita: Learner Support Programme, Birmingham & Coventry

December 2008 - To Date Senior Test Analyst

Capita has recently taken over the running of the Learner Support Programme run by the Learning Skills Council to promote learning and training. I have been involved since the start of the project, producing test strategies, test plans, cases and scenarios, and completion reports. I have also produced and maintained the test metrics application using VBA to integrate with HP Quality Centre, and have worked on Proof of Concept for use of QuickTest Pro with the .NET WPF and Oracle SOA development approach used for this project. I work closely with the Test Manager in the management of the test process, planning and allocating work and identifying resource and technical requirements. I have also assisted in the Business Analysis and Systems Analysis process as a subject matter expert.

#### Skills Area

- Environment Management
- Full Test Documentation
- Functional Testing
- Management Information Systems Testing
- Project Planning
- Regression Testing
- Team Management
- Web Testing

#### Key Skills

- .NET Framework (1.0, 1.1, 2.0, 3.5)
- Cognos 8
- HP Quality Centre 9
- HP QuickTest Pro 10
- MS Project 2007
- MS SQL 8.0.124
- MS Windows 2000/2003 Server
- Oracle 10g, 11g
- Oracle Forms
- SOA Architecture
- SOAP interfaces
- Toad
- Web services and APIs

#### Capita: Congestion Charging Scheme, Coventry

Jun 2002 – Nov 2009 Senior Test Analyst

Capita has run the Congestion Charging Scheme on behalf of Transport for London since its inception. My roles have been wide and varied, and have required me to produce full lifecycle

documentation such as test strategies, plans, cases and scenarios, execution logs and completion reports.

My main tasks involve functional, sanity, regression, and integration (in the small and large) testing on .NET based web products together with UNIX based terminal applications and financial applications. I have been involved in managing the test environments; resolving issues with .NET framework based applications; and have written test harnesses in VB.NET (2.0) for use with the system. I have also produced and maintained the test metrics application used to derive the daily reports on the test phases.

I have tested non-functional areas such as system management, security, disaster recovery, volume and performance, and management information systems, as well as functional and business acceptance testing.

I have played a part in the day-to-day management of the testing process for the Congestion Charging Scheme, producing and maintaining the metrics for a given phase, interviewing job candidates, and managing a large team of test analysts, together with substantial liaison with the business, database analysts, programmers and operational support. I was also instrumental in developing the automation strategy and plans, and developed the initial sanity testware in Winrunner. I have also been significantly involved in producing technical specifications for changes to existing software.

#### **Skills Area**

- Automated Regression Testing
- Development of test harnesses
- Environment Management
- Full Test Documentation
- Functional Testing
- Management Information Systems Testing
- Non-functional testing
- Performance, Volume and Stress Testing
- Regression Testing
- Security Testing
- System Management Testing
- Team Management
- Web Testing

#### **Key Skills**

- .NET Framework (1.0, 1.1, 2.0)
- BMC Patrol
- Cognos 7 and 8
- IBM DB2
- IBM Websphere
- IVR / NCTI
- Mercury Winrunner 7.5
- MS Message Queueing
- MS SQL 8.0.124
- MS Windows 2000/2003 Server
- Oracle 9i and 10g
- SOAP interfaces
- Toad
- Web services and APIs

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### **Renewable Energy Company, Stroud**

*Mar 2002 - Apr 2002                      Lead Test Analyst*

The Renewable Energy Company is a small electricity producer utilising wind farms. My role was to manage, produce and execute full system testware for a customer quotation system.

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### **Logica ESIS, Nottingham**

*Sep 2000 – Aug 2001                      Lead Test Analyst*

ESIS develop specialised financial calculation applications for use in the electrical utility market. I was involved in the full testing lifecycle of several products for both NETA and SESL, including the unit, system, regression, performance, volume, integration, full width end-to-end and user acceptance testing of the e-valuate and Balancing Charging System products.

Primary tasks involved system testing the integration of interfaces between NT and VMS, AIX and Solaris using Oracle, Java and Iona Corba middleware to Oracle databases. I was also responsible for overseeing and developing the testing requirements for performance and volume testing of the e-valuate application. I was involved in developing viable test data for system test validation.

I was involved in liaison with third party suppliers when required to ensure optimal performance of the third party product and provided on-site support and User Acceptance testing when required for clients including Powergen, Yorkshire Electricity, British Energy and TXU.

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### **Clerical Medical, Bristol**

*Mar 2000 - Sep 2000*

*Team Leader /Test Analyst*

My primary tasks involved the management of the test and application build team and Development of test stratagem and documentation. I was also responsible for managing product issues and product control.

The project involved the integration and migration of financial products to upgraded systems. This involved isolated and coexistence integration testing of proprietary financial and third party software, including IBM mainframe and Oracle database data migration. I also developed and maintained the project tracking database. I was responsible for managing product issues and product control.

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### **Environment Agency, Bristol**

*Apr 1998 – Feb 2000*

*Test Analyst*

I was involved on the Environment Agency Year 2000 Programme, performing system, integration and acceptance testing on applications ranging in scale from PC/Desktop to LAN/WAN, client/server and Intranet browsers using manual and automated testing products. I also performed a QA role validating third party suppliers' testware and products, reviewing procedures and reporting errors / issues using PVCS Tracker. I assisted in the development of a regional self-certification procedure and developed and maintained an application tracking database.

## Skills Summary

- **Programming Languages**
  - C / C++
  - Clipper
  - Fortran
  - GWA Basic
  - HTML
  - Java
  - JavaScript
  - Microsoft Visual Basic
  - Microsoft Visual Basic for Applications
  - Microsoft Visual Basic .NET
  - PHP
  - PL/SQL
  - QBasic
  - SQL
  - Unix Korn Shell programming
- **Database Software**
  - DataEase (4.53 – 5.15i)
  - Microsoft Access (2.0 – 8.0)
  - Microsoft FoxPro for Windows & DOS
  - Microsoft SQL Server (8.0.124)
  - Oracle 6.x, 7.3.x, 8.0i, 9.0i, 10g, 11g
  - Oracle Developer 2000
  - Oracle Forms (Character & GUI)
- **Training**
  - ISEB Practitioner Certificate in Software Testing (certificate number: 11841)
  - ISEB Foundation Certificate in Software Testing (certificate number: 6407)
  - Mercury Test Director 6
  - Introduction to Mercury WinRunner and Advanced Mercury WinRunner
- **Management Information Systems**
  - Cognos 7 & 8
- **Middleware**
  - Iona Corba
- **System Management**
  - BMC Patrol
- **Test Tool Software**
  - HP Quality Centre 9
  - HP QuickTest Pro 10
  - Mercury Test Director 6
  - Mercury WinRunner 6 & 7.5
  - PVCS Tracker
  - Rational Clearquest
  - T.O.A.D.
- **Operating Systems**
  - DOS
  - Linux (Red Hat, SUSE, Mandrake)
  - Novell Intranetware 3.12, 4.11 & 5.0
  - Unix (AIX, Solaris, HP-UX, BSD)
  - VMS 7.1
  - Windows 3.x, 9x, NT 4.0, 2000, 2003, XP, Vista, 7

## Educational Qualifications

- 1996-1997     *MA in European Political and Economic Integration*  
University of Durham
- 1992-1995     *BA (Hons) in European Studies with French*  
University of Durham
- 1987-1992     *A Levels in French, German and History*  
King's School, Worcester