**Neil Hancock**

# Experienced multi-platform enterprise developer specializing in web applications.

# Technical Expertise

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| Languages: | JavaScript, C, Assembler, bash shell, Rexx, Java, Scala.  XML, SQL, HTML, CSS, JSON. |
| Concepts: | Agile, TDD, MVC, HCI, Usability. |
| Tools: | Eclipse, Visual C/C++, gcc, xc, Ant, make. SubVersion, git.  Selenium, Bugzilla, GIMP, Inkscape, Installshield, Firebug, cygwin. |
| Environments: | Apache, ISS. Firefox, Internet Explorer, Chrome, Webkit.  ISPF, Unix Systems Services, DB2, CICS. |
| Systems: | Linux, z/OS, Windows, Unix |

# Skills

* Web application development.
* Enterprise application development.
* Legacy application modernization.
* Experienced in multi-tier, multi-platform environments.
* Development of build and test tools.
* Usability heuristics in user interfaces.
* Competent in many other programming languages.
* Able to quickly adapt to new languages, software packages and development environments.

# Current Employment

**2007- present: Web Applications Developer** at Macro 4 Limited.

Development and last line support of a 3 tier web interface for application support tools.

Products are for dump analysis, program trace, and data editing on z/OS (IBM mainframe).

Applications are hosted on IBM z/OS back-end. Communicating via XML transaction to Apache or IIS modules in the middle tier.

The browser UI is being re-factored from legacy approaches (iframes) to modern tools (JSON over XMLHttpRequest). jQuery is not used for performance reasons.

Responsible for:

* Development of browser UI in Javascript/HTML/CSS.
* Development of Apache and IIS loaded modules in C.
* Development of application services in Java.
* Rexx and Assembler development of back end products.
* Design of User Interface and XML transactions.
* TDD test case development during the development cycle.
* Regression testing with Selenium and Java.
* Development and maintenance of build systems.
* Writing functional description of new features for Technical Authors.

# Previous Employment

2002 – 2007 **Mainframe Applications Developer**, Macro 4 PLC

* Development of ISPF interface for a z/OS dump analysis suite.
* Test case maintenance using COBOL, C, PL/I and BAL.
* Product configuration tools in Rexx and ISPF.
* Re factored Rexx ISPF interface code to produce XML output.
* Conversion of ISPF interface to eclectic user interfaces (web, print, email).

1998 – 2002 **Testing Engineer**, Macro 4 PLC

* Responsible for pre-release testing of Mainframe and PC based products.
* Development of test suites and documentation systems.

1991 – 1998 **MVS systems programmer**, UK Meteorological Office, Bracknell

* Installation, Maintenance and Support of system software running on MVS/ESA
* RACF, TCP/IP, communications, security packages and ISPF/TSO.
* Development and maintenance of in-house written software, including the CRACER archive system for scientific data, and an email client for ISPF.
* System administration and data backup on HP and AIX systems.
* Programming in JCL, REXX, CLIST, Shell script, and 370 ASSEMBLER.

# Education

1988 – 1991 Exeter University

* BSc Honours (III) in Physics

1981 – 1988 Culverhay Comprehensive School, Bath.

* A- levels: Computer Science (B), Mathematics (C), Physics (D).
* O- levels: English, Maths, Physics, Computer Science, Engineering Drawing, Chemistry with Biology.

Completed the online course Functional Programming Principles in Scala in June 2013.

# Personal

* Full Clean Driving Licence.
* British National.

## Interests

* Mountain Biking, Morris Dancing, Ballroom Dancing, Conservation Volunteering.

## Contact Details

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References upon request.