Neil Hancock

Experienced multi-platform enterprise developer specializing in web applications.

Technical Expertise

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.