# Bob Bare

# Robert Charles Brown

*Currency*

**Wednesday, 12 December 2012**

*Address*

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Brisbane

Queensland 4060

Australia

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## Personal Details

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| --- | --- | --- |
| *Sex* |  | Male |
| *Marital status* |  | Married  No children |
| *Nationality* |  | Australia/United Kingdom |

## Professional Activities

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|  |  | **Present** |
| *Post* |  | Director Typical roles: Senior Software Developer  Enterprise Software Architect  Technical Team Leader  Technical Team Mentor |
| *Institution* |  | Transentia Pty. Ltd. |

### Description

Transentia is a vehicle I have established to give me greater freedom to control both the quantity and quality of the work I undertake.

*Development-oriented* activities have included:

* Maintenance and upgrade of “InfoMed Operating System”, a Grails 2-based in-house application for Melbourne-based SME **InfoMed**, running on Windows Server under the Tomcat 7 Application Server.
* Upgrade and expansion of facilities for the **Energex** “Trouble Call Entry” call-centre application.
* Application of Oracle Service Bus 11g and Oracle Database 11g to achieve the integration of an in-house **Energex** application with the third-party “Yambay mobility platform” to allow field crews to coordinate their electrical switching activities in “real time” using a wireless data network.
* Development of a Grails-based ‘pre-sales’ prototype for a public-facing application for a media-oriented SME.
* Installation and Demonstration of the ‘Tableaux’ release management software system for **Suncorp** in Brisbane.
* Development of a Spring 2.5 Framework/JBoss 4.2.2 cluster/Hibernate-based integration infrastructure allowing the construction of a “Universal Logging System” for **Energex**’s real-time SCADA system. The project makes use of the third-party ‘TeeChart’ component for graphing and visualisation; this was selected for its high performance and ability to handle large data sets. Development of various modules within this system, including a Swing-based desktop visualisation/graphing tool.
* Development of **Energex**’s “Trouble Call Entry” call-centre application using the Spring 2.0 Framework with Spring WebFlow. The system is required to support 250 concurrent users and runs using the JRockit Server-side JVM on a load-balanced cluster of JBoss 4.2.0 application servers hosted by Redhat Enterprise Linux 4.2. Performance Testing was undertaken using HP’s LoadRunner tool.
* Development of a “world first” tool using C/J2EE and Scalable Vector Graphics (SVG) to enable monitoring/control/visualisation of individual substations in **Energex**’s real-time SCADA system.
* Maintenance and upgrade of **Energex**’s C-based real-time SCADA (Supervisory Control And Data Acquisition) system. This key software is now installed in various substations across Brisbane and will be further rolled out to all new electricity substations and control centres throughout Energex’s South-East Queensland infrastructure.
* Mentoring/training/assisting with development for a 7-person team of developers new to Java and J2EE technologies for **Queensland Treasury Corporation**. Also involved establishing a development toolchain based around Oracle JDeveloper 10g, Oracle 9iAS and Oracle Portal with CVS, Ant, JUnit, etc..
* Assisting with a portion of the design and development of a J2EE-based architecture (using BEA WebLogic Workshop) for a **Gold-Coast based international Web-based gaming/casino** site
* Principal architect for a BEA WebLogic Server 6.1-based J2EE (EJB2.0, Servlet 2.3 and JSP 1.2/taglibs; also JUnit/Ant/JavaDoc) Content Management System/Application suite project (‘CmeDocs’) for the **Queensland Government Department of Industrial Relations**
* Tuning and reporting on the performance of the CmeDocs CMS system developed for and installed at **Queensland Government Department of Industrial Relations**
* Assisting a **Brisbane-based SME** with the design of an ASP-based system to facilitate the exchange of parts data between architects/suppliers involved in building industry projects
* Team leader/mentor for a 6-person development team for a BEA WebLogic 6.0-based system (EJB1.1 and EJB2.0 [including message-driven beans], Servlet 2.2 and JSP 1.1, on a BEA WebLogic Server cluster) undertaken on behalf of **BEA** for **DHL in Kuala Lumpur**
* (Ongoing) Development and maintenance of a number of web sites on behalf of **Queensland University of Technology’s Faculty of Education TESOL Unit**

*Consultancies*:

* Presenting a series of overview breakfasts for **Queensland Health**; the presentations covered Java, .Net, XML, J2EE, Service Oriented Architectures and Linux
* Providing J2EE mentoring to the **Tasmanian Police IT Department** preparing for the commencement of a new project utilising Borland JBuilder6/AppServer 4.5, Windows 2000 and Microsoft SQL-server 6
* Giving training on J2EE technology (BEA Weblogic Server and Weblogic Workshop) for **Energex**’s SCADA support team
* Presentation of various WebLogic Server 6.1 training courses on behalf of **BEA** in Australia and throughout the Asia-Pacific region
* Presenting various Transentia-developed and Oracle developed courses (WebServices/Java/etc.) on behalf of **Oracle Australia/Support Technology**
* Leading training and mentoring courses in Java and J2EE (J2SE, JDeveloper 9i, Servlets and Struts) for staff from **Queensland Treasury Corporation**
* Undertaking an external technical review of a **Telstra** project on behalf of **SMS Consulting**

*Communication-oriented* activities:

* “Using Betamax to Mock HTTP-based Interactions”, GroovyMag, March 2012
* “Testing and Evaluating a Simple Set of Classes”, GroovyMag, January 2012
* Presenting “The Gr8 Technologies” to Macau University
* “Gambling on Griffon and Grails Going Gangbusters”, GroovyMag, February 2010 issue.
* Presenting “Taking Groovy and Grails Further into the Enterprise” at the Open Source Developers' Conference 2009
* “The Groovy Internet Mood Meter in SVG”, GroovyMag, September 2009 issue.
* “Batch Processing with Spring Batch”, GroovyMag, June 2009 issue.
* “Solving the Enterprise Integration Puzzle with Spring Integration”, GroovyMag, May 2009 issue.
* Presenting sessions entitled “Java is Dead. Long Live Groovy!” and “Rapid Database-Driven Web Development with Grails” at the 2008 Oracle Users Group Conferences in Perth and the Gold Coast
* Presenting the session “Java is Dead. Long Live Groovy!” at the 2008 New Zealand Oracle Users Group Conference in Rotorua.
* Presenting the paper “XQuery” at the Brisbane and Sydney 2005 Australian Oracle User Group conferences
* Assisting with presenting the CmeDocs system during a “WebLogic Wednesday” session in Brisbane
* Presenting the session ‘Toplink’ at the Perth Australian Oracle User’s Group (AUSOUG) “Oracle with 20:20 Foresight” 2002 conference
* Presenting the session “J2EE-Based Systems Development and Oracle9i JDeveloper” at the Brisbane, Sydney and Perth AUSOUG 2002 conferences

I have undertaken short-courses in subjects such as functional programming, Windows Phone 7 and Ruby.

As of November 28, 2008, I have successfully completed a Certified ScrumMaster (agile software development project management) course.

My paper “J2EE-Based Systems Development and Oracle9i JDeveloper” was voted third-best paper at the New Zealand Oracle User's Group 2003 conference.

During 2001, I presented papers and lead workshops at a number of conferences and meetings, including The AUSOUG “Zen and the Art of Internet” conference and Software Engineering Australia’s “IncITe the Future” conference.

My articles “Service Oriented Architectures” and “Under the J2EE Umbrella” have been published in Software Engineering Australia’s *Software* magazine.

In June 2000, I undertook an “XML Roadshow” introducing XML to members of Software Engineering Australia at Toowoomba, Mackay, Townsville and Cairns.

In April 2000, I was asked to return to IBM’s Austin, Texas, research centre to undertake my second residency entitled *NP-2080: Connecting e-business to the enterprise*. This residency concentrated on using IBM’s Pattern Development Kit to integrate IBM’s WebSphere Application Server, VisualAge for Java, CICS, IMS and MQSeries into an Internet-based e-business enterprise.

In May 2006, I was invited by Oracle to attend the Oracle APAC Developer Summit in Hong Kong. This was billed as an opportunity allowing Asia’s most influential developers to meet and work with Oracle’s leading developers and strategists on setting direction for future activities.

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|  |  | **1994-1999** |
| *Post* |  | Principal Consultant |
| *Institution* |  | Distributed Systems Technology Centre  Level 12, S Block  The Queensland University of Technology  Brisbane  Queensland  Australia |

### Description

The Co-operative Research Centre for Distributed Systems Technology (DSTC) is a body jointly funded by industry and the Australian government to pursue innovative research and undertake technology transfer in the area of Distributed Computing.

### Duties

As part of DSTC’s Professional Services Unit, I was responsible for liaising with industry bodies and the research staff of the centre. I undertook various consulting and programming tasks and I was also responsible for organising and originating seminars and workshops and training modules covering areas related to Distributed Systems, such as Asynchronous Transfer Mode networking and Java programming.

### Activities

In 1998, I was the recipient of an IBM ‘residency’ wherein IBM sponsored me to work at IBM’s Austin, Texas, research centre on *Residency 98‑NC‑0150‑R: Java design, programming and optimisation for the Network Computer*. This work has been published as a Prentice-Hall book entitled *JAVA Thin-Client Programming for a Network Computing Environment*.

### Other activities

##### Consultancies

Clients have included Optus, the Queensland Department of Natural Resources, the Queensland Department of Environment and Heritage, CITEC, Queensland Railways, the Northern Territory’s Department of Education and Dairy Farm International.

##### Papers

“An Overview of Telstra’s Experimental Broadband Network”, presented at AUUGWet ‘97, Darwin.

##### Conferences, Exhibitions

Opening speaker at AUUG Wet ‘97; Exhibitor at ATUG ’97; PART ’96; EBN User Forum ’96; EBN User Forum ‘97 (organising committee member); JavAus ’98 (organising committee member); JavAus ’99 (organising committee member and opening speaker).

##### Miscellany

I acted as system administrator for DSTC’s NT-based systems at its QUT offices.

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|  |  | **1990–1994** |
| *Post* |  | Lecturer |
| *Institution* |  | Hong Kong Polytechnic  Department of Computing  Hung Hom  Kowloon  Hong Kong |
|  |  |  |
| *Courses given* |  | *Master Degree Level* |
|  |  | * System Software Technology |
|  |  |  |
|  |  | *Honours Degree Level* |
|  |  | * Real Time Systems and Distributed Computing |
|  |  | * Data Communications and Computer Networks |
|  |  |  |
|  |  | *Higher Diploma Level* |
|  |  | * Data Communications |
|  |  |  |
|  |  | *Others* |
|  |  | * Introduction to the UNIX Operating System |

##### Teaching Materials Developed

*Lecture Notes for Learning C Programming*

Tutorial Sheets for Learning the UNIX Operating System

##### Papers

*Non-linear type extension in Oberon*, ACM SIGPLAN Notices

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|  |  | **1988–1990** |
| *Post* |  | Lecturer |
| *Institution* |  | University of East Asia  Polytechnic Institute  P.O. Box 3001  Macau |
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| *Courses given* |  | *Higher Diploma Level* |
|  |  | * Data Communications |
|  |  | * Operating Systems |
|  |  | * Computer Architecture |
|  |  |  |
|  |  | *Diploma Level* |
|  |  | * Introduction to the C Programming Language |

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|  |  | **1986–1988** |
| *Post* |  | Senior Research Officer  Intelligent File Store Project |
| *Institution* |  | University of Essex  Department of Computer Science  Wivenhoe Park  Colchester  CO4 3SQ  England |

### Description

The Intelligent File Store (IFS) project was a bronze award winning project under the UK ‘Alvey’ initiative and focussed on undertaking research into new parallel hardware suitable for supporting large scale intelligent knowledge-based memory systems.

### Duties

Integration of the IFS hardware into a UNIX-based workstation (by writing a UNIX device driver and integrating the hardware into a VME-bus based Sun 3/75 workstation), maintenance of the installed systems.

I was also responsible for installing and operating a UNIX-based ‘Ethernet’ Local Area Network for the departmental research and teaching laboratories.

## Tertiary Education

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|  |  | **1985–1986** |
| *M.Sc.* |  | Computing Studies |
| *Institution* |  | University of Essex  Department of Computer Science  Wivenhoe Park  Colchester  CO4 3SQ  England |

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|  |  | **1981–1985** |
| *B.Sc.* |  | Applied Chemistry |
| *Classification* |  | 2-(i) |
| *Institution* |  | The Hatfield Polytechnic  Department of Chemistry  Hatfield  Hertfordshire  England |

## Leisure Interests

Tennis, astronomy, golf, travel, reading, movies, music.

## Referees

Dr. Paul King

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Other referees can be provided on request.