Neil John Bartlett

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Born: 25 September, 1975 — United Kingdom
Nationality: British

Skills Summary

Languages	Java (10 years) · C · Scala · Haskell · SQL · R
Middleware	OSGi · J2EE/Java EE · JMS · AMQP · SOAP · REST
Web	HTML · XHTML · HTTP · JSP · Taglibs · GWT · Vaadin
GUI	Swing · SWT · JFace · Eclipse RCP & Plug-ins
Persistence	Oracle · SQL Server · MySQL · JDBC · Hibernate · JPA · iBatis

Career History

2003 – present   *Freelance Consultant.* Since 2003 I have worked as an independent consultant, developer and trainer, specialising in advanced Java, OSGi and Eclipse. My work has included the following clients and projects:

04/2010 – 09/2010   *HaXe Plug-in for Eclipse – Powerflasher GmbH.* Powerflasher is the vendor of FDT, a Flash IDE based on Eclipse that successfully competes with Adobe's Flash Builder. I was hired to develop an extension to FDT to the haXe programming language, including on-the-fly error checking, semantic completions, building and launching.

12/2008 – 04/2010   *JavaFX Plug-in for Eclipse – Sun Microsystems, subsequently Oracle.* I was hired by Sun to work on their JavaFX tooling for Eclipse. My responsibilities covered all design and development for the new plug-in. The results of my work were showcased at JavaOne 2009 and the Oracle keynote at EclipseCon 2010.

07/2008 – 11/2008   Sabbatical – worked on open source projects and my book *OSGi in Practice.*

01/2008 – 06/2008   *New Equities Ordering System – JP Morgan Chase.* I worked on the New Equities Ordering System (NEO) which represented a significant upgrade to JPMC's equities trading infrastructure. I joined as an expert in OSGi, Eclipse RCP and Spring, and helped to re-architect the application using modular practices and technologies such as Spring Dynamic Modules (OSGi Blueprint). This project concluded

as a result of JPMC's acquisition of Bear Sterns.

04/2007 – 01/2008 *Athena Trader – Aegisoft LLC.* Aegisoft is a New York-based software vendor with a range of algorithmic trading and exchange simulator applications. I worked on enhancements to the trading application in the area of FX support and the display of "level 2" trading data. The application is written in Java Swing and makes extensive use of multi-threading in order to keep the GUI responsive, and to continually update the display as external data are received. I also worked on migrating parts of the simulator and testing tool to run as Eclipse plug-ins.

10/2006 – 05/2007 *Vehicle Manager – Goldman Sachs.* I worked in the Structured Products group to develop a new "Vehicle Manager" application. This application supports both physical and synthetic Fund Derivatives deals, by recording and managing the complex relationships and investment flows involved between Goldman Sachs, the Special Purpose Vehicles (SPVs), the investors, and the Funds. I joined the team as an Eclipse RCP expert, building the RCP client and mentoring the other developers.

03/2005 – 10/2006 *Credit Asset Management – Dresdner Kleinwort Wasserstein.* I was the lead developer on a significant project arising from the merger of Dresdner Kleinwort into its parent Dresdner Bank. My team supported the credit asset managers who were responsible for managing the loan book: identifying problem loans; taking steps to mitigate such problems, e.g. by selling the loan or hedging with CDSs; and making lending decisions. Since Dresdner Bank's loan book is far larger than Dresdner Kleinwort's, this required a significant scaling-up of all activities.

02/2003 – 02/2005 Other engagements as a freelance consultant: *EU Claims Management Project – Atos Origin. Security Borrowing and Lending – WestLB AG.. "Eclipse" Point-of-sale System – Dixons Group plc.*

07/1999 – 02/2003 *Professional Services Consultant – CNT Ltd.*[1] CNT was an Enterprise Application Integration product vendor. Its main product, E/A (now known as Jacada Integrator), was a platform for the integration of legacy applications running on mainframes and AS/400s. I used E/A to develop integration functionality on client sites, both in short pre-sale Proofs of Concept and in full-scale projects, and also delivered product demos and training. The role was international and constantly customer-facing. I also developed several enhancement modules for E/A, worked on the conversion of E/A to support double-byte character sets, and delivered the first project for a Japanese customer.

06/1998 – 07/1999 *System Engineer – The Smith Group.* I worked as a consultant at British Gas. The

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[1]In 07/2001, the E/A division of CNT was acquired by Jacada Inc. In 10/2001, Jacada closed its European office and I joined Adegis Ltd., a company started by former CNT executives to serve the European market for CNT and Jacada products. My role remained essentially unchanged through this period.

Smith Group is now known as Detica.

Education

1998	MEng in Systems Integration, University of Manchester.
1997	BSc Hons (2:1) in Systems Integration, University of Manchester.
1994	4 'A' levels in Mathematics (A), Further Mathematics (A), Physics (A) and Chemistry (A).
1992	10 GCSEs including Mathematics and English.

Open Source Portfolio

Eclipse Equinox, the OSGi implementation used as the basis for WebSphere Application Server, SAP NetWeaver, Spring dm Server and Eclipse. I am an individual committer member of the Eclipse Foundation.

JavaFX Plug-in for Eclipse, lead developer.

Bndtools, an Eclipse development environment for OSGi bundles, based on Bnd. I am the lead developer.

Technical Interests

I am interested in modular systems and solving the problem of coupling in object-oriented development. In connection with this, I am considered an expert in OSGi, the dynamic module system for Java. I deliver training courses on OSGi, have written several articles on it and am currently writing a book, "OSGi in Practice". A draft preview is available from my blog at http://njbartlett.name/osgi-book.html. I regularly speak at conferences including EclipseCon, QCon, OSGi DevCon, JAX, various Java User Groups etc.

I am also interested in the challenges presented by concurrent and parallel programming as multi-core systems become more widespread, and especially in the application of functional programming techniques to the problem. I am the organiser of the London Haskell User Group and I use Scala for some projects.

Other Information

Although most of my non-working time is spent with my children, I love classical music and attend live concerts when possible. I enjoy travelling and experiencing new places, cultures and people, and I am a keen amateur fencer.