

Curriculum Vitae - Matthew Peter Wells

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Matthew is an experienced, freelance, object-oriented software architect, developer and solution designer specialising in Java technologies. He works hard to maintain his skills base at the cutting edge of software technology in order to continue living up to his reputation as an innovative thinker and incisive problem solver, delivering creativity, clarity and quality to his clients.

Current Enthusiasms

SOA, RIA, AJAX, refactoring, test-driven development, agile processes, patterns, Ruby on Rails, XML, use of metadata to achieve flexible software solutions.

Professional Qualifications

SCEA - Sun Certified Enterprise Architect for Java EE 5 – Jul 2009

SCJP - Sun Certified Programmer for Java 2 Platform – Jan 2002

MA (Cantab.) - Christ's College, Cambridge – 1994

BA (Cantab.) - Christ's College, Cambridge – 1989 - Electrical and Information Sciences (Hons - 2:1)

Primary Skills

Strong skills applicable across the full object-oriented software lifecycle including requirements capture, analysis, design, implementation and test. These skills are based on extensive experience across a broad range of industries and in a wide variety of object-oriented software development and integration projects ranging from fully distributed enterprise software architectures to real-time embedded systems.

- Enterprise application development and integration – J2EE/Java EE (7 years), Web Services, SOA, ESB, EJB, JSF, JPA, XML, Spring, Hibernate, GXT/GWT, Oracle ADF, JSP, servlets, Struts, JMS, JMX.
- Object-oriented software development – Java (12 years), C++ (4 years) RoR (1 year).
- Object-oriented analysis and design – UML, patterns, RUP (15 years).
- Leadership, coaching and mentoring.
- Excellent interpersonal and presentation skills developed through client contact.

Supporting Skills

A broad base of supporting skills, including:

- Database (Oracle, SQLServer, JDBC)
- Distributed middleware (ESB, SOAP, JAX-RPC, RMI, CORBA)
- Web technologies (GWT/GXT, AJAX, HTML, XML, CSS, Javascript)
- XML technologies (XSD, XSLT, JAXB)
- OS (Windows, UNIX, Linux)
- CASE tools (Eclipse, Enterprise Architect, JDeveloper, Rational Rose)
- Configuration control (Subversion, Git, Clearcase, Sourcesafe, Perforce, PVCS)

Curriculum Vitae - Matthew Peter Wells

Professional Training

Oracle 2006 – **OracleAS 10g Build Web Services** (2 days)

Oracle 2004 – **OracleAS 10g Building J2EE Applications** (5 days)

Blueprint Technologies 2000 – **Component-Oriented Software Engineering** (1 day)

Object Partners 2000 – **O-O Project Management** (2 days)

QA Training 1997 – **O-O Analysis & Design using the UML** (5 days)

Secondary Education

GCE A-Level (4) - Maths (A), Physics (A-Merit), Chemistry (B), Further Maths (C).

GCE O-Level (11 all at Grade A)

Career History

Feb '08 – Present. **Freelance Consultant.** Natural Objects Ltd.

Working with clients to deliver software solutions that meet their, and their customers' needs. (Ordered here by resource allocation.)

Sept '10 – Jan '11. **Senior Java Developer.** Validus IVC Ltd, Norwich.

Implementation of in-house SaaS solution for Motor Vehicle Claim Management & Fraud Detection (Agile, Spring, Hibernate, GXT, Axis). Responsibility for automated email processing, web service integration & record locking.

Feb '08 - Aug '10. **Enterprise Java Architect/Developer.** Cedar HR Software Ltd.

Delivered new Quality Performance System (JSF, EJB3) to very tight project timescales.

Led new product development utilising own design of metadata-driven, XML-based Data Exchange Framework using EJB3, JMS, Web Services and JMX exposing configurable XML data sets to 3rd party systems via Web Services.

Led new product development utilising own design of metadata-driven, Web Application Framework using Oracle ADF Faces, Oracle ADF Business Components and EJB3.

Oct '08 - Jan '09. **Solution Designer.** Aviva plc. Norwich (via Smart421 Ltd).

Solution Design Lead for Claims Tracking aspects of Ops 2010, Supplier Integration Project (UML, SOA, Web Services). Engaged with internal stakeholders and 3rd party Tier 1 and Tier 2 Claims Handling suppliers to deliver best fit Solution Design.

Jun '09 - Nov '09. **Enterprise Java Consultant.** Grant Instruments (Cambridge) Ltd.

Provided analysis of the architecture, technologies and function of a newly acquired, web-based software product (Java EE, REST, Web Services, Spring, Hibernate).

Advised on strategy and resourcing for ongoing development of the product.

Apr '10 - May '10. **Project Auditor & Facilitator.** Siemens Ltd (Australia).

Audited current state of GSM-R project for Melbourne, Australia. Facilitated workshops and advised on process improvements and other initiatives to improve delivery timescales.

Jun '04 – Jan '08. **Enterprise Java Architect.** Cedar HR Software Ltd.

Led the company's expansion from traditional Oracle forms development into Java Enterprise technologies (Java EE, Web Services, EJB3, XML, JMS, JSF, Struts, JSP, Oracle ADF, Oracle Portal, OracleAS 10g).

Consulted with NCALT (National Centre for Applied Learning Technologies) on integrating their Managed Learning Environment (MLE) with Cedar HR's Resource Management

Curriculum Vitae - Matthew Peter Wells

System applying SOA best practices.

Led design and development of new Self Service HR web application from proof of concept to commercial deployment across a significant number of the UK's police forces.

Aug '00 – Apr '04. **Chief System Architect.** Radiant Networks, Cambs.
Chief System Architect responsible for system design of Radiant's MeshWorks™ product. Special responsibility for all aspects of software architecture. Pioneered the re-architecting of the Management software for scalability onto the J2EE platform. Previously Lead developer for Network Planning and Management Systems (Java, RMI, CORBA, Oracle) for Radiant's innovative mesh technology. Promoted modular design, code reuse, refactoring and unit testing.

Nov '99 - Aug '00. **Senior Member Technical Staff.** Hughes Network Systems. USA.
Requirements capture, analysis and design (UML, RUP) at system & subsystem level of the Network Operational Control Center for the Spaceway™ broadband satellite data communications network. Senior design role for the Satellite Terminal Element Management Subsystem (Java, Oracle, CORBA, Solaris).

Nov '98 - Oct '99. **Consultant.** The Technology Partnership (TTP). Melbourn, Herts.
Clean sheet design (UML) of Ace™, a distributed software system to support the design and execution of automated chemistry processes to aid pharmaceutical drug discovery. Successfully managed delivery of first milestone to multinational client.

April '96 - Oct '98. **Senior Software Engineer.** Ionica. Cambridge.
Software Team Leader and Project Design Authority for the AirSide Element Manager (ASEM) embedded application (C++, VRTX). Represented Ionica's interests within the change management forum with Nortel (Proximity I).

May '94 - Mar '96. **Design Engineer.** Psilogic Ltd. Bracknell.
Design Engineer in a small electronics design consultancy specialising in advanced computer solutions.

Sept. '92 - Apr. '94. **Engineer.** Joint Medical Store. Kampala, Uganda.
Responsible for design and implementation of an invoicing and stock control system at the national central drug store. Positioned via Church Mission Society. London.

Oct. '89 - Aug. '92. **HPTO.** SERC. Daresbury Laboratory. Cheshire.
Higher Professional Technology Officer responsible for design and commissioning of electronic instrumentation solutions in the field of high speed X-ray imaging.

Personal Details

Date of Birth:	12th April 1967	Marital Status:	Married, 2 daughters
Nationality:	British	Driving Licence:	Full and current

Other Activities and Responsibilities

FA Level 1 Football Coach – Bottisham U12 Girls. 2006-2008