



APPLIED SOFTWARE INTELLIGENCE

Mark Wickens

Tel: **+44 (0)7917 653012** (mobile), **+44 (0)1539 446851** (home)
Email: mark@appsoftint.co.uk
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Main Skills

Languages: [Java](#), [XSL/XSLT](#), [XML](#), [SQL](#), [C/C++](#), [XSD](#), [HTML](#), [PHP](#), [UML](#), [FOP](#), [SOAP](#)
Technologies: [Java EE](#) ([JSP/Struts](#), [EJB](#), [Servlets](#), [JPA/Hibernate/JDBC](#), [JAX-WS](#), [JTA](#)), [Spring](#), [Swing](#), [JMS](#)([IBM MQ](#)) [CORBA](#), [RMI](#), [log4j](#), [JUnit](#), [JNI](#), [Apache Commons](#)
Environments: [Weblogic](#), [Websphere Application Server](#), [JBoss](#), [Apache/Tomcat](#)
Tools: [Eclipse](#), [Netbeans](#), subversion, maven, ant, Rational Toolset ([Rational Rose](#), [Clearcase](#), [Clearquest](#)), [Websphere Application Developer](#), [Borland Together](#), [Visual Age](#)
Databases: [IBM DB2](#), [Oracle](#), [MySQL](#)
Platforms: [Windows XP/2000/NT](#), [Linux](#), [AIX](#), [Solaris](#), [OpenVMS](#)

Skill Experience

Enterprise level multi-tier application design, analysis and development, legacy integration, GUI development, Web development.

Unix/Linux Systems Administration, Application Servers Installation & Support.

Java: 10 years, Java EE: 8 years, SQL: 5 years, XSL/XSLT/XML: 4 years, OOA/OOD: 10 years, UML: 10 years, C/C++: 14 years, Swing: 5 years. Sun Certified Java Programmer.

Positions Sought

Consultancy (Architect, design and development, typically large scale e-commerce, government, distributed/n-tier).

Fixed Price Contracts (Can provide full lifecycle including requirements analysis, functional definition, prototyping, development, documentation, maintenance and hosting)

Location

Flexible (bases in North West & Home Counties)

Employment History

[Hansard Global plc](#) (06.2009–)

Title: Senior Java Developer

Duties: Development and enhancement of a high-performance, transactional document processing engine used in a high-pressure, live environment. Java 6/JEE technologies on Glassfish 9, Oracle 11i database, source control using subversion, built using maven. Eclipse IDE.

[Argos](#) (05.2009–06.2009)

Title: Java Designer/Architect

Duties: Design and prototype for a multi-threaded, socket-based, real-time protocol translator.

Designed using use-cases, UML diagrams and prototyped Java 6 and XSL/XSLT/XML code.

Prototype utilized the Apache MINA socket-based API. Documentation provided included extensive report, outline development plan include estimates and recommendations.

[Environment Agency](#) (02.2008–03.2008)

Title: Senior Enterprise Developer

Duties: Functional enhancements to Web based J2EE planning application. Client side coding of HTML pages using Javascript and DOM elements to provide validation and dynamic functionality.

XSL/XSLT and XPath parsing of server-generated data. Back end coding using Servlets and an

Action Event/Handler web-tier interfacing with an EJB data layer and Oracle database running on HP/UX clustered Weblogic servers.

[Valtech/EDS](#) (12.2005–12.2007)

Title: Associate Senior Software Consultant

Duties: Continued functional design and development work on CMS gateway (see IBM/DWP below), utilising a broad set of Java EE technologies including EJBs, WebServices, Persistence technologies, JMS/MQ, XSL/XML. C++/Curam/CORBA Server development. Swing client development. Development of a database transformation tool (Java, XML and SQL) to extract cases from an existing CMS database into a clean database for the purpose of removing old and redundant data. Java application development, XML processing, DB2 stored procedures, federation, multi-threaded, performance tuning. Customer liaison to define requirements and functional specifications. Significant input for the transfer of this project to EDS and continuous mentoring of EDS staff on all aspects of J2EE development technologies and practices. All development using Agile processes.

[Valtech/DWP](#) (07.2005-12.2005)

Title: Software Consultant, IT Support Team

Duties: Provide consultancy and support to the EDS IT Support Team to improve procedures and practices in the building and deployment of next generation DWP infrastructure provided by IBM and EDS. Broad technical toolset including ant, Java, Websphere deployment and administration, MQ Series deployment and administration, AIX administration, legacy integration, shell scripting, XML, XSL, XSLT, DocBook.

[IBM/DWP](#) (10.2003–11.2004, 01.2005–07.2005)

Title: IBM Technical Subcontractor (Java JEE /C++/XSL/XSLT Developer)

Duties: Development work on the Department of Work and Pensions' Customer Management System (CMS) currently in use throughout job centres in the UK for the processing of benefit claims (60k users). Java EE development on gateway interface systems (including EJB, SOAP, Webservices, Database Persistence and Legacy Integration). Complex XSLT/XSL stylesheet development for the transformation of XML data and presentation of data in PDF format (using FOP). Configuration and deployment of J2EE application into Weblogic 6.1/8.0. Performance analysis. C++ development on Curam server. Development under Rational Unified Process.

[Prescription Pricing Authority](#) (10.2002–06.2003)

Title: Java Developer

Duties: Full life cycle development of an Internet based application for the query and update of a database using the following technologies: iPlanet 4.x/6.x, Tomcat 4.1, Hibernate with JSPs, XML, Oracle PL/SQL, Microsoft SQLServer and Swing. Development of additional multi-tier functionality within a Swing thick-client/Servlet and EJB server based application.

[Gamma Projects Limited](#) (08.2001–07.2002)

Title: Java Architect

Duties: MOD Contract. Analysis, architectural design and development of a distributed tactical communication system using the following technologies: Weblogic 6.1/JBoss 2.4.4, J2EE (including EJB, JMS, RMI and JDBC technologies), Servlets, XML, log4j, TCP/IP (socket-based communication), Oracle PL/SQL and Swing. Tested using JUnit. Development of a sophisticated data-mining graphical user interface using the Swing toolkit. Ported the application from Weblogic to JBoss server. This included: configuration changes, custom security changes, logging changes.

[ESIS Ltd \[National Grid Company\]](#) (03.2000–06.2000)

Title: Java Developer/Designer

Duties: Object-oriented design and development of real-time client-server trading system in Java utilizing JDBC to connect to an Oracle SQL database and CORBA/COM to connect to a Visual Basic GUI. Design and development using UML (Rational Rose) following the Rational Unified Process.

[Thames Water Utilities](#) (12.1999–03.2000)

Title: Java Developer

Duties: Development & support of n-tier Java call centre application. Communicates via Corba to legacy CICS mainframe database (DB2). Visual Age development environment, Select UML diagramming tool. Java application makes extensive use of Swing GUI components and Java Beans. Development as part of a large team.

[BG Technology plc](#) (10.1999–11.1999)

Title: Java Designer

Duties: Object-Oriented Analysis, Object-Oriented Design and Development of a multi-platform (Solaris/Linux/OpenVMS) Java application to provide System Administration utilities to existing

application. Designed using Together/J UML tool, uses Java Native Interface (JNI) platform-specific layer, Swing graphical user interface and Remote Method Invocation (RMI). Features include: multi-platform, pluggable user-interface, internationalization support. Sole developer. Full life-cycle. Notes: Project completed on time, to specification and cost.

[BG Technology plc](#) (formerly British Gas) (03.1996–06.1999)

Title: Contract Software Consultant

Duties: Development work covering the full life cycle (including object-oriented analysis and design) on large (500K lines), multi-user (36 sites in UK) Gas Analysis software utilizing the following technologies:

C/C++/Fortran, CORBA, Java, OSF/Motif, X-Windows, X-Designer, Sun/Solaris, Linux and OpenVMS.

Provide assistance to the project manager for estimates of costs/timescales for main application development for a team of 9 developers. Extensive customer liaison, requirements definition, analysis, design, implementation, testing, documentation.

Education

University of Hertfordshire: 1st Class Honours Degree in Computer Science & Electronic Engineering.

Fixed Price Contracts

[Horse Ratings](#) (08.2007)

Project: Development of a website to provide a ratings service for paying customers. Primarily PHP and HTML based with database and XML integration services. Complemented with a Spring/Hibernate/Struts management system to handle user lifecycle and update operations.

[Gamma Projects Limited](#) (05.2001–07.2001)

Project: Fixed price contract to develop a Swing based application to visualize graphs of network equipment and their associated connectivity, with data provided by an Oracle Database via JDBC. Display algorithm performs optimization of graphical element placement and link routing to minimise link crossing and link length.

Notes: Fixed price contract completed on time, to specification and cost.

[Start-global.com](#) (04.2001–05.2001)

Project: Fixed price consultancy for development of a Use-Case Analysis Model utilising UML Use Case and State Diagrams for a Client/Server based internet application.

Notes: Fixed price contract completed on time, to specification and cost.

[10KC](#) (02.2001–04.2001)

Project: Fixed price contract to design and develop a web site utilising Java 2, Java Server Pages, Java Servlets, XML, EJB, JDBC and SQL. Built using Jakarta/Tomcat with an Oracle back-end database. Architecture design using UML and objected oriented analysis, implemented using object oriented development techniques. Full life-cycle from requirements analysis to deployment.

Notes: Fixed price contract completed on time, to specification and cost.

[Advantica Technologies Limited](#) (11.2000–12.2000)

Project: Consultancy for development of a Use-Case Analysis Model utilising UML Use Case and Activity Diagrams for a Client/Server based internet application.

Notes: Fixed price contract completed on time, to specification and cost.

[BG Technology plc](#) (07.2000–12.2000)

Project: Fixed priced contract to analyse, design, develop and test an Object-Oriented Gas Network Analysis Engine prototype in Java, utilizing RMI and a Swing graphical user interface. Prototype consists of a Java analysis server with a Swing toolkit-based graphical client, communicating via RMI. Object-oriented analysis, design, coding and testing was performing using the UML/IDE tool Together/Enterprise 4.0 running on the Linux platform, using Sun JDK 1.2.2.

Notes: Delivery better than specification, two weeks early. Based on recommendations of report generated in previous contract.

[BG Technology plc](#) (06.2000–07.2000)

Project: Fixed priced consultancy to analyse and report on performance and architectural issues of a large scale, multi-user client/server application. Provide recommendations of possible solutions, including reasoning based on demonstrable experimental results.

Notes: Fixed price contract completed on time, to specification and cost.

[BG Technology plc](#) (10.1999–11.1999)

Title: Java Designer

Duties: Object-Oriented Analysis, Object-Oriented Design and Development of a multi-platform (Solaris/Linux/OpenVMS) Java application to provide System Administration utilities to existing application. Designed using Together/J UML tool, uses Java Native Interface (JNI) platform-specific layer, Swing graphical user interface and Remote Method Invocation (RMI). Features include: multi-platform, pluggable user-interface, internationalization support. Sole developer. Full life-cycle.

Notes: Project completed on time, to specification and cost.