

Adrian Malcolm Riley

Address

Sheffield

Contact

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Personal Information

Nationality: British

Date of birth:

Age:

Skills

Languages	Java, Fortran, C, C++, Javascript, SQL, PL/SQL, XML, XSLT, HTML, CSS
OS	Windows, Unix, Linux
Databases	Oracle, DB2, Informix, MySQL, Sybase
Frameworks	J2EE, Spring, JPA, MyBatis, Hibernate, RichFaces, JUnit, Struts
Tools	Maven, Ant, Git, Subversion, Jenkins

Professional Experience

Contract

Kit-Digital, York

Mar 2013 to date

Developer

Developing J2EE applications for live streaming and video delivery on demand, for the BSkyB SkyGo and NowTV platforms. Developed various secure web services for user authorisation and session management. Developed data feeds of available content for delivery to Microsoft to populate the applications on Xbox. Enhanced video publishing system to use FASP to deliver content to external servers. Agile methodologies.

Languages	Java/J2EE, PL/SQL, XML, JSP
OS	Windows 7, Linux (Ubuntu)
Other software	Spring, Tomcat, Oracle, Hibernate, Web Services (SOAP and REST), JUnit, Liquibase, Velocity, FASP, Subversion, Maven, Jenkins

Technophobia, Sheffield

May 2012 to Feb. 2013

Developer

Developing J2EE application for use by providers and performers of NHS dentistry contracts to view contract data, reports and pay statements and to manage superannuation reconciliation, using Spring Webflow and MyBatis over Oracle database. Agile methodologies.

Languages	Java/J2EE, PL/SQL, XML, JSP, HTML, CSS
OS	Linux (Ubuntu)
Other software	Spring, Spring Webflow, Weblogic, Oracle, MyBatis, JQuery, JUnit, Liquibase, Magnolia, Thymeleaf, Git, Maven, Jenkins

South Yorkshire Police, Sheffield

Nov. 2008 to May 2012

Developer

Developed J2EE applications for Information Systems Department, covering intelligence gathering and analysis, case preparation, bail management. SCRUM methodology. Developed core of application: web application with JSF UI over Oracle PL/SQL. Developed web services to expose functionality to other systems. Developed XML-based interfaces to exchange data with CPS and Courts Service. Developed JPA modules for accessing other data sources. Developed XSLT templates for transforming various XML data sources. Contributed to development of PL/SQL packages.

Languages	Java/J2EE, PL/SQL, XML, HTML, JavaScript/Ajax, CSS, XSLT.
OS	Windows XP, Linux (Red Hat)
Other software	Spring, JSF, RichFaces, Glassfish, Oracle, Jasper Reports, Windward Reports, Documentum, JPA, Web Services, JUnit, Subversion, Maven, Jenkins

Capita, Derby
Developer

Jan. 2008 to Nov. 2008

Developed J2EE application for the Driving Standards Agency, online and call centre booking of driving tests, processing of results, managing test centres and examiners, etc..

Languages	Java/J2EE, XML, HTML, JavaScript/Ajax, CSS, SQL.
OS	Windows XP, Linux (Ubuntu)
Other software	Weblogic, Oracle, Spring, iBatis, Web Services, JMS, JUnit, CVS, Ant

JD Williams Limited, Manchester
Developer

Jul. 2007 to Jan. 2008

Developed enhancements to JD Williams' e-commerce application, supporting over 20 online catalogues. Developed framework for JDBC access to database. Developed JMS messaging system for processing updates of product data.

Languages	Java/J2EE, XML, HTML, JavaScript, CSS, SQL.
OS	Windows 2000/XP
Other software	Websphere, DB2, JMS, JUnit, CVS

Mass Consultants Limited, Lincoln
Systems Architect

Nov. 2006 – Jul. 2007

Developed application for management of user-definable geo-located data with entities. Java rich client application fronting an Oracle database, using JDBC and PL/SQL, and GIS for mapping. Developed system for handling multiple real time feeds of electronic intelligence data.

Languages	Java, Swing, PL/SQL, XML, XSLT.
OS	Windows 2000/XP, Sun Solaris
Other software	Oracle 10g, Spring, JIDE, JUnit, CVS, Ant

Cooperative Insurance Systems / IBM, Manchester
Solutions Architect

Jan. 2005 – Nov. 2006

Developed of home and motor insurance applications. Web application for Internet access for customers; .NET front end for call centre users; single J2EE business layer interfacing to CIS's existing COGEN database application.

Languages	Java/J2EE, C#/.NET, XML, XSLT
OS	Windows 2000/XP, IBM AIX
Other software	Websphere, Struts, Velocity, Web Services , JUnit, CruiseControl, CVS, Ant, Maven

Bradford & Bingley plc / IBM, Bingley

Nov. 2004 – Jan. 2005

Developer

Developed branch teller application, replacement for obsolete system. J2EE application built using IBM's BTT framework, a framework for financial applications based on XML descriptions of data, tasks and processes.

Languages	Java/J2EE, XML, Swing, BTT
OS	Windows 2000/XP, IBM AIX
Other software	DB2, Websphere, ClearCase, DBVisualiser

Camelot Interactive / IBM, Watford

Jul. 2003 – Sep. 2004

Developer

Developed of National Lottery application for Sky Interactive TV. Developed enhancements to Internet gaming application. Developed application for playing Lottery using SMS messaging. Developed system for buying and managing subscriptions online, and migration of existing subscription system. Developed XML-based framework for managing correspondence: bulk and individual whitemail, e-mail, SMS.

Languages	Java/J2EE, JSP, XML, WML, UML
OS	Windows 2000/XP, IBM AIX
Other software	Struts, DB2, Websphere, PVCS, DBVisualiser, TogetherJ, Ant

Synectic Systems, Sheffield

Jun. 2002 – Jun. 2003

Developer

Developed CCTV control and management system. Map display with device locations to select and control devices, system configuration, user and device management, live pictures, video recording and playback, reporting (XML output data translated to HTML & PDF via XSL), automatic e-mailing, etc.. Developed interface to custom CCTV network using JavaComm on serial ports and to IP-addressable cameras.

Languages	Java, XML, XSL
OS	Windows 2000/XP, Linux
Other software	RMI, Swing, JavaComm, JMS, Java Mail, JMF, DB2, MySQL, CVS

Standard Life, Edinburgh

Dec. 2001 - Jun. 2002

Developer

Developed enhancements of multi-channel, n-tier e-commerce applications. Widened scope of application allowing IFAs and individuals to join pension schemes on line, enabling additional products.

Languages	Java/J2EE, JSP, servlets, EJB, XML, HTML, DHTML, JavaScript, UML
OS	Windows NT
Other software	IBM WebSphere, DB2, MQ, PVCS

BancTec Holland, Amsterdam
Consultant

May 2001 - Oct. 2001

Developed intranet archive application for *de Telegraaf*, the Netherlands' largest newspaper group. Developed system for archiving of publications, processing pages, articles, photographs and newswire feeds, also manually entered text and images. Searching and maintenance of text content and meta-fields.

Languages	Java, JSP, servlets, EJB, XML, HTML, DHTML, JavaScript, SQL
OS	Windows NT, IBM AIX
Other software	Informix, Tomcat, ServletExec, Orion, Excalibur RetrievalWare, MS Visual SourceSafe

HSBC, Sheffield
Developer

Oct. 2000 - Apr. 2001

Member of team developing services to support migration of application to Web-based thin client architecture. Developed printing service for Java applications within IBM WSBCC (WebSphere Business Components Composer), a servlet based application framework.

Languages	Java, JSP, JavaScript, XML, UML
OS	Windows NT, OS/2, IBM AIX
Other software	DB2, JClass

Esis Ltd., Nottingham
Developer

Jul. 2000 - Oct. 2000

Developed application to manage electricity trading between suppliers, distributors and National Grid. Java server application, Visual Basic front end, Oracle database, using Corba and JDBC.

Languages	Java, SQL
OS	Windows NT, Digital Unix, VMS, IBM AIX
Other software	Corba, Oracle, Orbix, CVS

Fretwell Downing Informatics, Sheffield
Senior Developer

Mar. 1999 - Jul. 2000

Developed Web-based application using Java servlets and XSLT for searching databases of bibliographic data and other resources using the Z39.50 protocol, placing, tracking and managing requests for material as either supplier or requester.

Team leader for Web application development group (4-5 staff). Managed installation and acceptance of software by National Library of Australia and National Library of New Zealand.

Languages	Java, C++, JavaScript, SQL, XML, XSLT, Unix shell scripts
OS	Windows NT/95, Sun Solaris, IBM AIX, Digital Unix, VMS
Other software	Oracle, Netscape Enterprise Server, Apache Web server with JServ and Tomcat servlet engines, JRun servlet engine, Apache xerces and xalan XML/XSL class libraries, ORBacus, Visibroker, Mico, Jacorb, CVS, MS Visual SourceSafe

Air Warfare Centre, RAF Waddington
Technical Consultant

Apr. 1997 - Mar. 1999

Researched new technologies for use in design and development of Intranet applications to present various types of data, including transmission intercepts, photographs, audio and video. Developed various Java applets, using both AWT and Swing, to search and display information, display and annotation of

maps with information from various sources, both static and from real time data feeds, search wizards for free text and structured searches of document and picture libraries, picture scanning and indexing, latitude/longitude and UTM calculators.

Languages	Java, Swing (JFC), C, C++, perl, JavaScript, SQL, Unix shell scripts
OS	Windows NT/95, Sun Solaris
Other software	Oracle, ESRI Arcview GIS

DST International Ltd., Surbiton/Boston
Technical Consultant

Apr. 1996 - Apr. 1997

Design and development of database engine for GPS 2000 (Global Portfolio System), global, multiple currency, multiple market, portfolio management system, trading in equities, derivatives, currencies, etc.. Designed and developed processing for special deal conditions on trades, and for handling unit trusts. Spent 6 months working at DST Belvedere in Boston, USA, converting US written software for UK use.

Languages	C, SQL, perl, Unix shell scripts
Hardware/OS	Sun Solaris, MS-DOS, Windows 3.11/95
Other software	Sybase, Oracle, Rapid SQL, Tcl

Permanent

Gable CAD Systems Ltd., Sheffield
Software Manager

May 1988 - Apr. 1996

Originally employed as Analyst/Programmer, promoted to Project Manager, 1990, promoted to Software Manager, 1995. Manager of development group, responsible for design, development, documentation and maintenance of Gable's *G-Series*, 3D graphical property design and management CAD system. Responsible for coordination of system development, enhancement and maintenance, and development and maintenance of the multi platform development environment.

General design, development and maintenance of the applications. Design and development of user interface and graphical display, and operating system environment interface. Conversion from bitpad/keyboard operation to screen menu and multiple graphics viewport operation. Port of system and development environment from proprietary operating systems and graphical displays to Unix and X-Windows, and port of releases from HP-UX development environment to other supported platforms. Design and development of X-Windows/Motif based version of the 2D part of the system. Developed operating system independent C/Fortran interface for source code.

Managed the development of a Quality Management System for the company, intended to lead to ISO 9001 certification. Acted as Quality Manager, responsible for maintaining the system and auditing and reviewing its operation.

Languages	C, Fortran, Unix shell scripts
OS	HP-UX, Silicon Graphics IRIX, IBM AIX, Sun Solaris, DG-UX, Apollo Domain, Aegis, Sys V, AOS/VS, VMS, Primos, MS-DOS, Windows
Other software	X-Windows, OSF/Motif, Apollo GPR, HPGL, HPGL2 and Calcomp plotter drivers, Pafec Lions GUI system, Lightworks rendering software, FLEXlm Network Licence Manager, Oracle, Sybase, Applix Office Automation system.

Davy Computing Ltd., Sheffield
Senior Programmer

Oct. 1985 - May 1988

Design, development and maintenance of Davy's *Comdace* material control system for construction projects. Development of *ComElec*, material control for electrical engineering. General development work on other parts of the *Comdace* system. Development and maintenance of DEC VAX port, including port of screen handling from Prime FORMS to DEC FMS and development of indexed sequential file

handler for database. Installation and technical support for clients in Britain, France and Germany. Developed interface to Intergraph CAD system.

Languages	Fortran, PL1, Macro (VAX Assembler)
OS	VMS, Prime Primos
Other software	Prime MIDAS (indexed sequential file handler), Prime FORMS and DEC FMS (forms management systems), Calcomp and Versatec plotter drivers, Tektronix display driver.

University of Manchester Regional Computer Centre

Sep. 1983 – Oct. 1985

Liaison Officer

Liaison with UMRCC representatives at other British universities, provision of technical support, documentation and user training on all aspects of the UMRCC service. In particular, developed and presented courses on use of the Cyber 205 vector processor. Provided advisory service to local users, promoted to Advisory Controller in 1984, responsible for managing and developing the service. Developed and maintained problem reporting and tracking system for the Liaison Service.

Languages	Fortran, Pascal, Algol 68, Cobol, Basic
OS	CDC SCOPE2, VS, NOS, George 3, MVS
Other software	NAG mathematical libraries, SPSS, Genstat, MDS(X), Rapport DBMS, GINO & GHOST graphical libraries

University of London Computer Centre

Aug. 1979 - Sep. 1980

Computer Advisor

Advisory service to ULCC users on the Centre's services, production of user documentation and self-help training courses, liaison with London college computer services. Developed program to maintain index of software available at all London colleges. Developed and maintained program for analysis of magnetic tape data. Application and compiler support.

Languages	Fortran, Pascal, Algol 68, Algol 60, COMPASS (CDC Assembler)
OS	CDC SCOPE2, NOS/BE
Other software	NAG mathematical libraries, SPSS, GINO & GHOST graphical libraries

Central Electricity Generating Board

Sep. 1977 - Aug. 1979

Analyst/Programmer

Design, development and maintenance of Transmission Systems Analysis applications. Developed systems for graphical display of fault analysis data, for analysis of transmission line configurations and for maintenance of transmission line data. Converted program for specifying and plotting transmission network diagrams to interactive operation.

Languages	Fortran, IBM Assembler
OS	MVT, MVS
Other software	Tektronix display driver

Education

University of Sheffield

Oct. 1980 – Aug. 1983

Ph. D. in Pure Mathematics, awarded April 1984

University of Sheffield

Oct. 1974 - Jun. 1977

B. Sc. in Pure Mathematics, 1st class honours

Haberdashers' Aske's School

Sep. 1967 - Jul. 1974

Elstree, Herts

A-levels
1974

Pure Mathematics (A), Applied Mathematics (A), Physics (A), French (D)

O-levels
1971-72

Mathematics, Additional Mathematics, English Language, English Literature,
Physics, Chemistry, History, Geography, French, German

Foreign Languages

French (conversational), German (limited)