# Adrian Malcolm Riley

## Address

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Sheffield
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## Contact

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|---|---|
| Home: | \*\*\*\*\*\*\*\*\*\* |
| Mobile: | \*\*\*\*\*\*\*\*\*\* |
| E-mail: | adrian@ariley.co.uk |

## Personal Information

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|---|---|
| Nationality: | British |
| Date of birth: | \*\*\*\*\*\*\*\*\*\* |
| Age: | \*\*\*\*\*\*\*\*\*\* |

## Skills

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|---|---|
| **Languages** | Java, Fortran, C, C++, Javascript, SQL, PL/SQL, XML, XSLT, HTML, CSS |
| **OS** | Windows, Unix, Linux |
| **Databases** | Oracle, DB2, Informix, MySQL, Sybase |
| **Frameworks** | Spring, RichFaces, JPA, JUnit, Struts |

## Professional Experience

### Contract

**Technophobia, Sheffield**                                          *May 2012 to date*
*Developer*

Developing J2EE applications for Technophobia clients. Developed enhancements to web application for use by providers and performers of NHS dentistry contracts, using Spring Webflow and MyBatis over Oracle database.

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|---|---|
| **Languages** | Java/J2EE, PL/SQL, XML, JSP, HTML, CSS |
| **OS** | Linux (Ubuntu) |
| **Other software** | Spring, Weblogic, Oracle, MyBatis, JUnit, Liquibase, Git, Maven |

**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 JPA modules for accessing other data sources. Developed XSLT templates for transforming various XML data sources. Contributed to development of PL/SQL packages.

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|---|---|
| **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, EasyMock, Subversion, Maven |

**Capita, Derby**                                                     *Jan. 2008 to Nov. 2008*
*Developer*

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 *Jul. 2007 to Jan. 2008*
*Developer*

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 rpocessing 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 *Nov. 2006 – Jul. 2007*
*Systems Architect*

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 *Jan. 2005 – Nov. 2006*
*Solutions Architect*

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.

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|---|---|
| **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.

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| **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 enhamcements 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.

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

### BancTec Holland, Amsterdam
*May 2001 - Oct. 2001*
*Consultant*

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
*Oct. 2000 - Apr. 2001*
*Developer*

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.

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

### Esis Ltd., Nottingham
*Jul. 2000 - Oct. 2000*
*Developer*

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.

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

### Fretwell Downing Informatics, Sheffield
*Mar. 1999 - Jul. 2000*
*Senior Developer*

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.

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| **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
*Apr. 1997 - Mar. 1999*
*Technical Consultant*

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.

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| **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
*Apr. 1996 - Apr. 1997*
*Technical Consultant*

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.

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| **Languages** | C, SQL, perl, Unix shell scripts |
| **Hardware/OS** | Sun Solaris, MS-DOS, Windows 3.11/95 |

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| **Other software** | Sybase, Oracle, Rapid SQL, Tcl |

## Permanent

**Gable CAD Systems Ltd., Sheffield**                *May 1988 - Apr. 1996*
*Software Manager*

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.

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|---|---|
| **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**                *Oct. 1985 - May 1988*
*Senior Programmer*

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.

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| **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.

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| **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

*Computer Advisor*                                                    *Aug. 1979 - Sep. 1980*

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

*Analyst/Programmer*                                                  *Sep. 1977 - Aug. 1979*

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 |

## <u>Education</u>

**University of Sheffield**                                              *Oct. 1980 – Aug. 1983*

Ph. D. in Pure Mathematics, awarded April 1984

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**University of Sheffield**                                              *Oct. 1974 - Jun. 1977*

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

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**Haberdashers' Aske's School**                                  *Sep. 1967 - Jul. 1974*
Elstree, Herts

| **A-levels** | Pure Mathematics (A), Applied Mathematics (A), Physics (A), French (D) |
| **1974** | |
| **O-levels** | Mathematics, Additional Mathematics, English Language, English Literature, |
| **1971-72** | Physics, Chemistry, History, Geography, French, German |

## <u>Foreign Languages</u>

French (conversational), German (limited)