

Craig Richmond

Craig Richmond is a Senior Software Engineer with 7 years software development experience in a range of fields. Predominantly Craig has worked on Windows Platforms in C++ in combination with a varied set of technologies.

Technical Skills Summary *(most recent experience listed first)*

Languages

C/C++	7 years
Java	2 years
Perl	6 months
PHP	3 months
Visual Basic	2 years
ASP/HTML	6 months
PL/SQL	1 year
Delphi (Object Pascal)	1 year
JavaScript	1 year

Databases

SQL Server	3 years
Microsoft Access	3 years
Oracle	2 years
Sybase	6 months
MySQL	6 months

Tools

J2EE	1 year
XML	1 year
MS Developer Studio	6 years
MFC	6 years
Java Swing	6 months
JBuilder	1 year
Stingray Objective Studio	1 year
COM/DCOM/ATL	3 years
Install Shield	2 years
Version Control (Source Safe, ClearCase, PVCS, CVS)	5 years
ODBC/ADO	5 years

Operating Systems

Microsoft Windows (3.1, 98, NT, 2000)	7 years
Solaris	6 months
Linux	6 months

Other

OO Development	4 years
Client/Server Apps	4 years
Mathematical Processing and Algorithms	4 years
Multithreaded Applications	4 years
Communications	3 years

Personal Details

Name:	Craig Richmond
Date of Birth:	30 March 1972
Nationality:	Australian
Education/Qualifications:	Bachelor Science (Honours 1st Class) University of Western Australia (Majors Computer Science, Information Technology)

Employment

August - November 2002: ***AeM***
 Perth, Australia

Position: ***Contract Software Engineer***

The BANDICOOT project involved the analysis and design of a middle tier for the B Digital customer relations management system. This system provides an XML façade between the front-end web interface and their back end systems. The BANDICOOT project used the following technologies; BEA WebLogic, EJB's, Servlets, LDAP, JAAS, Oracle, Ant, JSP Pages and XML.

May - Present 2002: ***Townley & Associates***
 Perth, Australia

Position: ***Software Engineer***

The Ubicalcs project involved the analysis and design of a web based distributed calculation system. The application provides a front end GUI interface written in Java Swing, which provides the functionality to model mathematical algorithms and dynamic web pages to access the algorithm. Ubicalcs server functionality provides a web-based interface to allow users to select and execute the modelled algorithms. Ubicalcs is written in Java using the following technologies; JSP pages, Servlets, EJB's, Web Services (Axis, SOAP), RMI, STRUTS, JBOSS, Tomcat, Ant, Junit and Swing.

March - April 2002: ***Divstrat***
 Sydney, Australia

Position: ***Contract Software Engineer***

Java development for Divstrat on their GPX software. Primarily using Java Swing and XML. The development is ongoing and has focused on production of the administration interface to the XML configuration of the Divstrat system.

February - May 2002: ***Blackboy Interactive***
 Perth, Australia

Position: ***Contract Software Engineer***

Parttime development on various web projects, primarily using Java, Perl, HTML, PHP, MySQL and Apache on a Linux platform.

November 2001: *Police and Nurses Credit Society
Perth, Australia*

Position: *Contract Software Engineer*

Required to fix and optimise the Workflow Gateway, which was a multi-threaded C++ application to provide access to data stored in the PNCS database.

July 2001 –October 2001: *Yambay
Perth, Australia*

Position: *Contract Software Engineer*

Writing and executing test harnesses in Java and C++ for PalmV communication software. Yambay were developing socket based libraries for the Palm devices for modem to server communication, this software needed to be tested at the API level, by developing various automatic test harnesses to provide a robust and repeatable test environment.

July 2000 –May 2001: *Tyndall
Sydney, Australia*

Position: *Contract Software Engineer*

Developing client/server multithreaded statistical modelling software for the stock broking industry. The project at Tyndall involved rapidly producing a package in which statistical models could be created and executed quickly and easily. The front-end allowed users to drag and drop functionality and data nodes into a model. This model could then be executed by a remote control system, which would send results back to various users of the system.

August 1999 – May 2000 *Sanford Securities
Perth, Australia*

Position: *Contract Software Engineer*

Sanford Securities primary activity is in providing online stock broking facilities. While working with Sanford I was involved with the design and coding of various systems including those to take orders from the website and place them directly onto the market and to provide detailed up-to-date market information to customers.

The chief technologies used at Sanford include Windows NT 4.0, Visual C++, Visual Basic, COM/DCOM, Microsoft Transaction Server, IBM MQSeries, Microsoft Message Queue, SQL Server and Oracle.

Sept 1998 – Feb 1999 *CSC
Hampshire, United Kingdom*

Position: *Contract Software Engineer*

CSC was involved in the improvement and redevelopment of a credit approval product, *Response*, for General Motors in the UK and Germany. My role involved working on a team to correct existing errors in the product and develop and test enhancements. *Response* was a Client/Server application developed under Visual C++ for the Windows NT/98 environment.

Feb – June 1998 *Execom Software
Perth, Western Australia*

Position: *Contract Software Engineer*

During my contract with Execom I was involved in developing the application, AmendIT. AmendIT assists organisations with legacy applications in the ICL VME language Application Master to migrate

to the Sterling Software COOL:Gen product suite. I was required to design and use Oracle database tables to store information describing an application and then convert this information into COOL:Gen using Sterling supplied API routines, in C and C++. I also developed a Cobol parser to be used in future projects for Execom.

Aug – Oct 1997 AT&T Istel
Birmingham, United Kingdom

Position: Contract Software Engineer

I completed 3 months contract work for AT&T Istel based at the Land Rover factory in Solihull, Birmingham. The main project I was involved with was a system for monitoring the progress of vehicles through the paintshop. The system communicated with PLC's in the factory and an SQL Server database as well as various viewers on the plant floor and was programmed in Visual C++ under Windows NT 3.51 and 4.0.

1994 – 1997 Wescom Pty Ltd
Perth, Western Australia

Position: Software Engineer

BACS Project (Backup Anti Collision System)

Wescom was contracted by Hamersly Iron to develop a system to ensure that mining machinery at the Marandoo mine site would avoid collision.

BACS was developed to monitor the position of machinery using attached GPS (global positioning system) receivers. Developed in C++, BACS monitored the site 24 hours a day and would shutdown the equipment if it detected an eminent collision.

I was the primary developer for the BACS system, which involved designing and writing the code and onsite commissioning of the system.

Terrain Project

Wescom, in conjunction with Earthworks Corporation, set out to develop a general purpose contouring program for the mining industry that could communicate with a wide variety of existing mining software packages.

TERRAIN is a 32 bit application designed to run under Microsoft Windows 95/NT/3.11 and was developed using Microsoft Visual C++.

Two programmers, including myself, completed the TERRAIN application.

SmartPlan Project

Several Wescom staff were contracted to ESRI Australia to work on a project for the West Australian Department of Land Administration (DOLA). The SmartPlan project's objective is to improve DOLA's cadastral database and redevelop spatial data inquiry, capture, maintenance and storage systems. I was involved in the functional requirements stage of the project which comprised of interviewing users to determine their requirements, documenting those requirements, data modelling, and producing prototypes using Delphi.