

Résumé

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Iain Pitt-Pladdy is a Senior Software Engineer who has worked on the design and development of various Java and e-Commerce systems. Iain has over ten years of commercial experience in Australia and the US and during that time he has worked on both business orientated and technical/research projects.

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

Languages

Java	7 years
J2EE	5 years
JSP	5 years
Servlets	5 years
XML	3 years
C/C++	4 years
Java Swing	2 years
JavaScript/HTML	6 years
EJB	1 year
PL/SQL	2 years
Visual Basic	6 months
ASP	6 months
Ada	5 years

Databases/Tools

SQL	10 years
MySQL	6 years
Oracle (7.3)	5 years
PL/SQL	2 years
SQL Server	6 months

Application Servers

Apache	4 years
JRun	3 years
WebLogic	6 months
Jboss	6 months

Operating Systems

Microsoft Windows	7 years
HP-UX	3 years
SunOS/Solaris	5 years

Personal Details

Name: Iain Pitt-Pladdy
Date of Birth: 31st August 1970
Nationality: Australian
Education/Qualifications: Bachelor of Science (Hons)
Double Major - Computer Science &
Information Technology &
University of Western Australia

Employment

10/2002 – present: **Harrison Assessments**
28 The Esplanade, Perth Western Australia

Position: **Lead Software Engineer**

Online Employment Screening Tools

As lead engineer Iain initially oversaw the completion and commissioning of the HA6 system. This system delivers employee screening and development tools to clients worldwide. Subsequently Iain has been lead engineer in the development of the next generation of the product, which is now in its final stages. This will substantially broaden the abilities of the system to more effectively incorporate non-behavioural aspects and support common business workflows.

All development has been performed using Java in a J2EE environment. The applications are deployed under Apache running on Windows Server 2003 environment using a MySQL database.

01/2002 – 10/2002: **Sealcorp**
152 St George's Tce, Perth Western Australia

Position: **Senior Software Engineer**

Online Shares and Funds Management

Iain was a team member on the development of product offerings in the financial services sector, in particular, a combined Shares, Managed Funds and Cash account facility. Iain has been involved in the front office aspects of the system. Additionally, Iain has been responsible for the development of the back office process to enable assets to be periodically bought and/or sold.

All development has been performed using Java in a J2EE environment. The application is deployed under WebLogic running on Solaris environment using an Oracle database.

07/2001 – 12/2001: **Computer Associates**
256 St Georges Terrace, Perth Western Australia.

Position: **Senior Software Engineer**

Web Based Contract Management System

The Department of Industry & Technology required an online contracts management system. Initially Iain was involved in the re-analysis of Use Cases to clarify the way ahead. Subsequently Iain was responsible for the design and implementation of various infrastructure components including the access control framework, web page to EJB state management framework and design participant in the frameworks for presentation management and bean management.

Development was undertaken on NT using Java and J2EE running on the JBoss application server to an oracle database. Technologies used included J2EE(EJB, JMS, JNDI), XML, JSP and Servlets.

**05/2001 – 07/2001: ADI Limited
North Ryde, Sydney, New South Wales.**

Position: Senior Consultant Engineer

After an apparent stall in a long term project, being the development of an air traffic control system, Iain was asked to examine the technical and non-technical issues and outline a strategy to resolve any issues found. Additionally, consideration was given to “Life of Type” support risks over the expected 15+ year operational life of the system. Various issues, primarily with the software for digital voice switching hardware were clarified and a means of approaching the problem identified. Iain in conjunction with other team members then set about resolving these problem.

Development was undertaken on Solaris using C++ for the main servers and PSOS using C++ for the embedded elements.

**04/2000 – 05/2001: ADI Limited
20 – 22 Stirling Hwy, Nedlands Western Australia.**

Position: Senior Engineer

Due to his previous experience with the product, Iain was tasked with various enhancements to the 3D mission preview software for the Eurocopter Tiger Armed Reconnaissance Helicopter. These enhancements included increasing the realism in the terrain rendering and improving the manipulation of objects within the 3D environment.

Development was undertaken on NT using Java, the Java 3D API and RMI for distributed communications.

**07/2000 – 03/2001: Sofwrite Limited
Eastpoint Plaza, Perth, Western Australia.**

Position: Senior Product Development Engineer

While at Sofwrite Iain was responsible for the establishment of development guidelines, and a framework in which to develop e-commerce products. Particular projects that Iain was involved with included a web based shopping cart product and the matchmaker on-line dating web site both of which he held the role of technical lead. Additionally, Iain designed and implemented the matching engine for the Red Cross Desperate & Dateless Ball.

Development was undertaken on Windows NT using Java and J2EE running on the JRun application server to a MySQL database. Technologies used included J2EE, JSP and Servlets.

**01/2000 – 7/2000: ERG Group
Balcatta, Western Australia.**

Position: Team Lead – Java Client Services Group (MASS)

MASS, Multi Application Smartcard System – was to provide a common base for development of ticketing systems for transit authorities. Iain was team lead of the group responsible for developing a bridge between the User Interface (in Java) and the application logic (in C++). This bridge was achieved using Java JNI to perform the translation between Java and C++. Additionally threading issues across the two environment were addressed. Finally, Iain designed and developed the GUI Binding and Validation framework.

Development was undertaken on NT but targeted for both NT and Solaris using Java and C++. Technologies used included Swing and JNI, with RUP and UML along with the Rational Suite of products used for managing and documenting design.

**07/1998 – 12/2000: ADI Limited
20 – 22 Stirling Hwy, Nedlands Western Australia.**

Position: Lead Engineer – Product Development

During this period at ADI Iain was primarily Technical Lead of the Product Development Group, performing overall design and estimation for various new products, prototypes and significant enhancements. As part of this role Iain also provided day to day supervision and technical guidance of the Product Development Team where typically multiple development efforts were underway at any given time.

Projects undertaken by the Product Development Group during this time included, design of the NT based Mission Support System architecture, design and implementation of the Cheetah correlation engine, Airborne Early Warning and Control (AEW&C) Mission Support System prototype, Eurocopter Tiger Mission Support System prototype, design and architectural implementation of a on-ship sensor feed simulator.

Iain was required at the North Ryde site to provide analysis and technical input for an Air Traffic Control system under development, particularly in relation to achieving a significant improvement in system performance and stability.

For the various projects that Iain was involved with development was undertaken on NT, HP-UX, Solaris and PSOS(Embedded-OS) using Oracle and Access databases. Languages used included Java, C++ and Ada. Technologies used included Posix threads, Java 3D, SQL, X11 and Motif.

**01/1998 – 07/1998: Rio Tinto – Research and Technical Development
Technology Park, Bentley, Western Australia.**

Position: Senior Engineer

While at Rio Tinto Iain worked on a variety of systems both traditional and Web based. The primary traditional system was the Blast Management System used to manage blasting in a pit environment. Otherwise Iain was involved in the design of an internet based document archive system and a company wide searchable organisation chart.

Development was undertaken in a predominately Microsoft environment on NT using Visual C++ and Visual Basic with ASPs for web content. Databases used where MS SQL Server and Access and MS Internet Information Server (IIS) as the application server.

**03/1994 – 11/1997: ADI Limited
20 – 22 Stirling Hwy, Nedlands Western Australia.**

**Position: Senior Engineer – DMSS Project
(03/1996 – 11/1997)**

The DMSS – Deployable Mission Support System provides mission planning and evaluation software for the P3C Maritime Patrol Aircraft. Initially Iain was the GUI Team Lead, additionally he was a member of the design team defining the API for integration with third party vendors. He was also responsible for designing and implementing the distributed API communications mechanism. Subsequently Iain was posted to PRB Associates in Maryland, USA for just of 1 year, to oversee integration between the ADI and PRB portions of the system and perform quality audit on PRB and other sub-contractors. Finally, Iain returned to Australia to assist with commissioning the system.

Development was targeting a distributed HPUX environment using an Oracle database in a combination of C++, Ada and PL/SQL.

**Position: Senior Engineer – JP2030 Project
(07/1995 – 03/1996)**

Iain was a member of the GUI Team during the development of the JP2030 Command Support System. He was responsible for the development of GUI design and implementation standards and the actual design and implementation of a significant part of the GUI. Additionally, he was responsible for the design of a loosely coupled GUI layer to application layer bridge.

Development was targeting a HPUX environment using an Oracle database in a combination of C++, Ada and PL/SQL using the X11 and Motif toolkits.

**Position: Engineer – Fire Simulation Research Project
(07/1995 – 03/1996)**

On initial appointment Iain worked on a joint research project with the University of Western Australia. As part of that project Iain developed a bush fire fighting simulation. The simulation modelled fire spread and the effects of retardation and could be displayed as either a two or three dimensional map.

Development was performed using C++ and X-Windows on Solaris.

**09/1992 – 03/1994: Wescom Pty Ltd
West Leederville, Western Australia.**

Position: Programmer

While at Wescom Iain worked on the development of embedded surveying instrument software for a Theodolite built by Nikon. Additionally, MS Windows based support software was also developed by Iain.

Development was performed in C/C++ targeting MS-Windows and DOS.

Training History

SilverStream Application Server	SilverStream	February 2001
Unified Modelling Language (UML) Course	Interskill, WA	November 1999

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