

Curriculum Vitae for Jan Bartel

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Gender: Female

Nationality: Australian

Residency: UK Permanent Residency

Date of Birth: 21-07-1963

CV Updated: 22-09-2007

Master of Arts(P) in Computer Science [Sydney University](#) 1986

Coursework (Microprocessor Design, Robotics, Communications, Advanced Operating Systems, VLSI Design) and thesis (hardware independent windowing systems).

Bachelor of Arts, [Sydney University](#) 1982-1985

Majors in Computer Science and Psychology(Hons). Minors in Government and Political Economy.

Technologies

- Java, Javascript
- JavaEE (JBoss, Weblogic, Jetty)
- XML, XSLT, XPATH, XSD, JDom
- Web2.0, Ajax, DHTML, Swing
- JMX, Sonic MQ, MQ Series, X.500, LDAP, CORBA
- SQL, Hibernate
- OSGi
- SNMP, CMIP, SMTP, TCP, IP, HTTP, HTML
- Ant, Maven, Eclipse

Problem Domains

- Internet applications
- Digital Interactive TV
- Banking
- Electronic commerce
- Trading operational risk management
- Network management
- Communications
- Systems administration
- Publishing
- Real time systems

Software Engineering

- Object Oriented Design - Booch/UMT, UML, Yourdan
- Patterns - Coad, GoF, various
- CASE tools - Software Through Pictures
- Real time design - Hatley and Pirbhai, Clocksin and Mellish
- IEEE Software Specifications

Management Skills

- Team leadership
- Technical mentor
- Recruitment
- Employee review
- Project management

Employment History

Webtide LLC

2006 -

One of the founders of Webtide LLC, initially formed as a partnership between Exist.com and Mort Bay Consulting to provide professional services and support around Jetty. Jan is currently the Chief Engineer of the company with responsibilities involving leadership of the in-house development and support teams as well as ongoing development of the Jetty software. Jan is the chief developer of the Jetty-based Hightide enterprise product and other JavaEE Jetty services.

Mort Bay Consulting

1997 -

Principal consultant for Mort Bay Consulting Australia and UK working on a variety of customer projects and on the open source projects managed by Mort Bay. Key placements and contributions are listed below.

Colletta di Castelbianco, Italy
2004-

Development of ecommerce website for booking of holiday apartments in the village of Colletta di Castelbianco. The website is multilingual and provides a wiki-like facility to allow end-users to publish information and updates.

Lloyds Bank, London
2005

Contracted via Raft International to facilitate the completion of development of a risk management system based on Tapestry and Hibernate.

IBDC Sydney
February 2005 – July 2005

Design and development of new prototype website for the Corridor management information product.

Deutsche Bank Sydney
August 2003 – February 2004

Porting and updating of strategic equities research portal site. Technologies included JINI, axis, jsp, WL Commerce Server.

Design and implementation of maven-based build and release tools for corporate J2EE projects.

NaviTag
Dec 2002 - Apr 2003

Contributed to the design and implementation of the NaviTag field trial system. Mort Bay won the fixed price bid to design and implement software components of the NaviTag shipment tracking system. Sea shipping containers are tagged with electronic seals with satellite transmitters. Jan was the J2EE mentor for the project and designed the core Jboss/EJB entities, deployed the cactus testing framework and setup the JAAS security modules.

Deutsche Bank London
June 2002 - Apr 2003

Senior Developer and technical mentor for the D-BOSS project, an new infrastructure for futures and options back office settlements implemented as a J2EE application making extensive use of JMS, XML and XSLT. My

Access Systems Research

1995 - May 1997

Senior software developer for Access Email. This is an online shopping and gaming site which employs the Access e-commerce software infrastructure, developed for both ITV and Web services.

Responsibilities included:

- Design and development of service components for e-commerce. Design and generation of IDL, and design and implementation of CORBA server in C++.
- Design and implementation, using Persistence and Oracle/Sybase, of persistent server storage.
- Architecture of shopping infrastructure, such as product catalogues, advertising management and client information.
- Installation and set up of Email web site (hardware and software), followed by a period as web master, liaising with clients, business analysts and the graphic design department to produce specifications for new web sites and services.
- Designing and programming cgi-scripts in Shell and Perl.
- Java applet development.
- Java servlet development for Netscape Enterprise Server.
- Overseeing of systems administration for Unix network.

Jtec R&D

1991 - 1995

Software engineer/team leader and eventually project manager for the development of [SNMP network management products](#) for Jtec's ISDN multiplexer equipment. An SNMP agent and manager application suite were developed on Sun and HP machines, using C, Motif, X-lib and HP OpenView. Object-oriented concepts were used in the system architecture and software design.

Responsibilities included:

- Evaluation and maintenance of existing MS-Windows configuration tool
- Requirement analysis and design of SNMP proxy agent.
- Design of the SNMP MIB for Jtec's products.
- Requirement analysis and software design for SNMP manager applications.
- Developed key applications of the manager suite, including object oriented GUI framework.
- Recruited, lead and managed a team of 3 developers.
- Staff evaluations and pay reviews.
- Liaison with technical writing, sales, marketing and production departments.
- Client site visits, presentations and demonstrations.

Scitec Communications Systems Ltd

1988 - 1990

Software engineer in the R&D department, which developed products for, and enhancements to, the Maxima time division multiplexer networking device. Project leader of 4 person team developing a network management system for Maxima.

Responsibilities included:

- Research and production of the system requirement specification.
- System architecture and design.
- Research and selection of software infrastructure components.
- Research and selection of hardware platform.
- Database design and administration.
- User interface design.
- Implementation of modules for incoming device data manipulation using embedded SQL.
- Implementation of modules for graphics display of network topology and real-time status using Xt and Xlib.
- Project planning and tracking.
- Allocation of tasks amongst team.
- Liaison with marketing and sales departments, customers and third party vendors.
- Response to tender documents.
- Product demonstrations at trade shows and client sites.

John Fairfax and Sons

1987 - 1988

Programmer in the Electronic Publishing Division supporting computer based publishing of Fairfax newspapers (including the [Sydney Morning Herald](#)):

- Provided maintenance of a large software library for typesetting of editorial and classified information.
- Extended an IBM terminal emulation package developed in house for the Coyote publishing terminal.
- Enhanced and extended a program suite for an on-line free text retrieval system.
- Installed and supported the new Tahoe bitmapped display publishing terminal.
- Developed a re-formatting post-processor for wire service financial data.

[Sydney University](#)

1985

- Tutor with the [Basser Department of Computer Science](#)
- Tutor with [Women's College](#) on campus.