

Résumé

Eric Bastholm

Eric Bastholm is a Senior Software Engineer who has worked on a number of successful enterprise level Java development projects during the past five years. Eric has 12 years software development experience including five years using the latest technologies such as J2EE, XML/XSL, servlets and JDBC in application server environments.

Technical Skills Summary (most recent experience listed first)

Web

JBoss Application Server	1.5 years
Jakarta Struts MVC Framework	2 years
JSP	1 year
HTML/HTML Forms/Javascript	2 years
Lomboz EJB	6 months
Oracle Application Server	1.5 years
Websphere 3.5.4/4.0	3 months
XML/XSL	2 years
Cocobase Object-Relation tool	6 months
iPlanet Application Server 6.0	6 months
iPlanet Portal Server 3.0	6 months
iPlanet BuyerXpert 4.1	6 months
Netscape Application Server 4.0	6 months
Netscape Enterprise server	1 year
Jrun	1 year
Apache web server	1 year
Jserv	1 year

Java

J2EE	5.5 years
Eclipse	6 months
Jini	6 months
Lucene indexing	3 months
PDF java (iText and pdfbox)	3 months
Swing GUI	2 years
Oracle JDeveloper	1.5 years
EJB	3.5 years
JDBC	5.5 years
Java 1.1.x/1.2/1.3/1.4	5 years
Netbeans	1 year

Junit (testing tool)	1 year
Java Servlets	2 years
J Builder	2 years
Java Reflection API	1 year
Java RMI	1.5 years
Java Mail	3 months

Other

Visual Source Safe	1 year
MS SQL Server	6 months
Oracle database	7 years
PVCS (version control)	1.5 years
SunRay Platform (Sun)	6 months
Concurrent Version System (CVS)	3 years
WinCVS	1.5 years
UNIX scripting	7 years
MySQL database	1 year
Photoshop	3 months
C++	3 months
Ada	6 years

General

OO design	9 years
Distributed application development	9 years
Open Buying on the Internet standard (OBI)	3 months
Documentation skills	excellent

Personal

Name: Eric Bastholm
Date of Birth: 10th July 1965
Nationality: Australian
Education/Qualifications: Bachelor of Science (Hons.) (Computer Science), Artificial Intelligence stream, Curtin University of Technology.

Employment (Current Role)

March 2004 – July 2004: Ebooks Corporation. Senior Java Developer

Senior developer on the [Ebook Library](#) (EBL) project, an electronic library system, incorporating a mix of technologies including J2EE, Jini, JSP, MS SQL Server,

JBoss, Lucene Indexing (ala Google), iText and pdfbox, and in-house built PDF caching mechanisms.

One of the major challenging tasks was the integration of a PDF reader, developed by third party, which was a .Net application and browser plug-in using a variety of components. All communication between components was http, mostly passing information and commands via response headers. The challenge was in installation and configuration.

The development environment was the Eclipse platform with various open source plug-ins for Enterprise Java Bean development (with code generation) and deployment with Ant as a build tool. Configuration management was handled by VSS.

The product is a highly distributed implementation with multiple instances of the application server running on separate physical machines hosting different parts of the system, not repeated instances of the same component. The design ensures a high level of configurability allowing different components to be run on different targets in many ways.

October 2002 – February 2004: DMR/InfoHealth. Senior Java Developer

Senior developer on the Psolis project, a client records system for the retrieval and maintenance of client details, scheduling of appointments, and workflow activities. The system comprises a Java Swing GUI thin client which connects to an Oracle J2EE server and database.

The approach to design and implementation was “thin slice” with the developer being given responsibility for a unit task. Development proceeded through all layers of the architecture from design and building of the user interface, through to the control modules, business objects and associated business rules, and finally to the design and implementation of the EJB facades and entities. The Model-View-Controller design pattern was used extensively.

The Oracle suite of development tools was used for development and PVCS and WinCVS for version control.

May 2002 – September 2002: Thin Technologies. Senior Java Developer

Team Leader for project involving major enhancement to the POS terminal Java (Swing) Application. Main task involved the porting of the company’s POS application to a distributed computing environment using Sun Microsystems SunRay thin client platform, RMI, and the SunRay Smartcard session switching facilities. Major challenges included the investigation of the best way to use the SunRay features; the development of addition POS functionality conforming to specified use cases; the development of RMI services to provide a central point of common functionality and data storage for the many POS GUIs running on the SunRay appliances; and the coordination of source code control via CVS (as the project was branched from the main code tree for the duration of development).

The POS Application resides in a multi-tier environment with the backend comprising an EJB container over an Oracle database.

The project deliverables included full documentation of use cases, UML, design, and administration and installation guides.

March 2002 – April 2002: AeM Group. Java/Web Developer

This work has required the analysis, design, implementation and testing of a customer sales tracking web application for a bank. The application is a Java Servlet, JSP, and MS SQLServer solution running on the Websphere application server. The system makes use of Jakarta Open Source Struts Model-View-Controller framework.

May 2001 – January 2002: Computer Associates. Java/Web Developer

This work has primarily been the design, implementation and testing of a contract development web application, in a team of 6, running on the JBoss application server through to an Oracle database. The Cocobase object-relation mapping tool was used for the EJB-database tier. The system makes extensive use of XML/XSL for the presentation of data in dynamic web pages served using a servlet and JSP architecture similar to Sun's Pet Store reference application.

March 2001 – May 2001: Alpha West. Java/Web Developer

I have been involved in the integration of iPlanet's BuyerXpert 4.1 product with the CAMS government procurement application, GEM, which runs under the iPlanet Portal Server 3.0. This work involved the seamless integration of two web applications. Both applications are servlet and JSP based. My main task was concerned with providing a mechanism for allowing single sign on and deep linking from the GEM portal into the BuyerXpert application. This was achieved by making the BuyerXpert application retrieve logon parameters from the user session that has been established on the GEM portal and using redirection and JSP pages to present the required BuyerXpert pages. The BuyerXpert pages are presented in a form that makes them seem like part of the GEM portal. The tools used for this work include JSP, Java (servlets), HTML, iPlanet Application Server, and iPlanet BuyerXpert.

Other work included the creation of a new channel content provider within the iPlanet Portal Server 3.0 framework using Java, JDBC to Oracle, LDAP, and JSPs. Inclusion of GST information in some displays was also done by modifying JSPs and integrating custom Java code under the direction of iPlanet representatives.

September 2000 – February 2001: Western Power Corporation. Java/Web Developer

I have been involved in the development of Western Power's *empower* application, which provides access to electricity meter data for the top 200 customers. *Empower* is a web application based on HTML (and forms), Netscape Enterprise Server, Java servlets and access to oracle via JDBC. The database access is encapsulated beneath a data server, which is accessed by the servlets through remote method invocation (RMI). Data is displayed in graphical and tabular formats.

I have developed an enhancement to the system, which consists of background Java processes that calculate if customers have any anomalous readings in their energy usage pattern, which could mean that they incur a penalty. If any such readings are

found the customer is informed via email so that they can rectify any problems. The processes are activated via a UNIX cron job.

More recently involved in the design of EnergyPartner. This is a more sophisticated application than empower, using JSP, servlets, Netscape Application Server (NAS), EJBs, CICS connector to MV90 mainframe, and XML.

November 1999 – September 2000: HarvestRoad. Senior Software Engineer

Team lead in the building of Harvestroad's *eCommerce* server product. The first stage of this system was an application server oriented online shop building tool, which allows a trader to build a catalogue and shopping site with little knowledge of web site construction. This was implemented using MySQL relational database, servlets, XML/XSL, and HTML forms. The use of the Java reflection API was used to write generic code to facilitate the conversion of data from the database to Java objects to XML.

July 1999 – November 1999: Curtin University of Technology. Lecturer

Lecturing in Software Technology 151 and conducting tutorials. Software Technology 151 is an introductory programming unit, for the School of Computer Science, which uses Java as the language for teaching basic Object Oriented Programming.

February 1999 – November 1999: Defence Science and Technology Organisation, Maritime Operations Division. Research Scientist

This position was primarily associated with research and development support for DSTO's commitment to the Royal Australian Navy (RAN) and in particular the COLLINS class submarine squadron. My role was in the area of Virtual Submarine management. The Virtual Submarine is a simulator/stimulator system, which is used to support research activities in other areas. It is used in the areas of testing, evaluation and feasibility analysis.

January 1992 - February 1999: ADI Limited

Team Manager (October 1995 - February 1999)

Senior Software Engineer (March 1994 - October 1995)

Software Engineer (January 1992 - March 1994)

This work involved building large scale distributed systems for a military environment. The main project I worked on was the Joint Command Software Environment (JCSE). This project has progressed through many stages, the last one involving a gradual porting to Windows NT with the introduction of Java and Perl modules. The system is distributed using RMI and JDBC to Oracle.

Training History

- XML and Reengineering, run by SEA and delivered by Clive Finklestein.
- Defence Science and Technology Organisation (Maritime Operations Division), *Basics of Underwater Acoustics*.
- Sun Microsystems, *Introduction to Java Programming*.
- Sun Microsystems, *Java Application Programming*.
- Sun Microsystems, *Distributed Programming with Java*.
- ANZIIS-93, Australian and New Zealand conference on *Intelligent Information Systems*: University of Western Australia, Perth, Australia (December 1993).
- IJCAI-91, *International Joint Conference in Artificial Intelligence*: Darling Harbour, Sydney, Australia (August 1991).