

Career Synopsis: Ian has been building software for the last eighteen years, and is a competent Technical Software Architect who is highly skilled in the architecture, design and development of large object oriented enterprise Java application systems. With a solid and disciplined engineering background, Ian has designed, planned, and taken architectural and management responsibility for a number of successful object oriented software development projects from inception through implementation. Ian is an expert Java engineer with a strong foundation in C and C++. For the last nine years Ian has specialized in designing and building large transactional database business application systems leveraging Java Enterprise and Internet technologies. Ian is well versed in conducting technical architecture and design sessions and JAD facilitation using the UML. Ian's unique mix of technical, communication and management skills have enabled him to lead his customers and his team to many successful project implementations.

Experience: **JavaDojo** (2007 – Present)
(Java / Swing / Netbeans RCP / JavaFX / Web Services / Java EE / Glassfish / MySQL)
Ian is the co-founder and chief technologist at JavaDojo. Ian is responsible for JavaDojo's strategic technical direction and invented, designed and developed JavaDojo's revolutionary Puresolv™ Platform which combines the power of JavaEE, SOA and Secure Web Services with Rich Client and Rich Internet Application technologies to create a new breed of hosted Business Application System with unsurpassed functionality.

Ian has full life cycle (from concept through release) responsibility for JavaDojo's Sentinel™ Studio Contact and Attendance Management software product which was built on the Puresolv platform. This product has been in production in various versions since June 2007 and has thoroughly proven out the Puresolv platform as a technology solution.

Ian also has full life cycle responsibility for JavaDojo's incaMoon™ web widget storefront application. This product adds desktop widget capability to the Puresolv platform and is due for release early in 2009.

InsureWorx (formerly WorldGroup) (1999 – 2007)

Ian's principal role was Senior Technical Software Architect in Product Engineering for one of InsureWorx's products. Ian also designed and co-developed WorldGroup's J2EE transactional business application platform and contributed extensively to, and taught WorldGroup's Rational Unified Process based methodology and software development best practices.

Assignments:

Senior Technical Software Architect (October 2005 – Present)

(Java/J2EE/JBoss/Websphere/DB2)

Responsible for the architecture, design and development of key parts of a Java J2EE enterprise application system for a very large Insurance company. Worked as part of a team of four architects that oversee and support the development activities of a team of around 75 developers. This Websphere/DB2 application system is required to support upwards of 25,000 users performing business transactions against the application deployed in a Websphere application server clustered environment.

Senior Technical Software Architect (September 2004 – September 2005)

(Java/J2EE/Websphere/Oracle/Linux)

Responsible for the Architectural review, design and development of an on-line web enrollment system

for a financial services company utilizing J2EE on IBM Websphere. Established the development patterns and developed key parts of the application including the encryption services utilizing the Advanced Encryption Standard (AES) encryption algorithm.

Senior Technical Software Architect (July 2002 – September 2004)

(Java/J2EE/Websphere/Oracle/DB2)

Responsible for key areas of the design and development of the J2EE application platform that serves as the basis for all J2EE development at WorldGroup. Responsible for the technical architecture and design patterns employed in the development of components of WorldGroup's flagship product on IBM Websphere.

Technical Software Architect (July 2000 – July 2002)

(Java/J2EE/Websphere/Oracle)

Responsible for the technical architecture and design of a J2EE, browser based, application architecture for a large multi-million dollar development project using IBM Websphere. The first phase of this project was successfully implemented, on time, in January 2002, with subsequent phases brought on-line incrementally thereafter.

Software Architect (December 1999 – June 2000)

(Java/J2EE)

Functioned as an Architect, responsible for the requirements definition, analysis and architecture of an EAI solution. Facilitated JAD sessions with the client and produced an Application Blueprint in UML.

Business Edge Systems (1990 – 1999)

Began as a junior programmer and grew to become a skilled architect and project manager with management responsibility for a number of mission critical projects at blue chip companies in South Africa. Assisted with the formation of a division of the company focused on Object Oriented Client Server and Web development projects. Lectured on Object Orientation and the UML at the University of the Witwatersrand.

Assignments:

Lead Architect (December 1998 – October 1999)

(VB/VC++/SQL Server)

Functioned as the Lead Architect, responsible for the analysis, estimation, design and architecture of an e-Business application for a large insurance company. Developed technically complex infrastructure components (including a persistence framework and web server). The system was successfully implemented in October 1999.

Lead Architect and Project Manager (February 1998 – November 1998)

(VB/VC++/SQL Server)

Functioned as the Lead Architect and Project Manager with full life cycle responsibility for the development of a site operations management and accounting system for an entertainment company. The system was successfully implemented in incremental phases from April 1998 through October 1998.

Designer and Team Leader (April 1996 – January 1998)

(VB/VC++ Oracle)

Functioned as a Designer and Team Leader, responsible for the analysis and design of various sub-systems within a mathematically complex system for a mining company. Responsible for JAD facilitation,

analysis, design, estimation, planning and management of a team of 5 developers. Responsible for all aspects of client relationship management.

Designer and Team Leader (April 1995 – March 1996)

(Natural Construct)

Functioned as a Designer and Team Leader. Responsible for requirements through development management of one of the sub-systems at a pension fund administrator.

Designer and Team Leader (July 1993 – March 1995)

(MF COBOL/C/x86 Assembler)

Functioned as Designer and Team Leader, responsible for analysis and design, including JAD facilitation. Assumed management responsibility and design and development of the technical infrastructure of the system for a clothing retail company.

Programmer (June 1991 – June 1993)

(CICS/COBOL/VSAM/C)

Functioned as a Programmer. Promoted to Analyst Programmer in 1992. Responsible for writing both on-line programs and batch update, extract and reporting programs for the financial markets division of South Africa's largest bank.

Junior Programmer (March 1991 – May 1991) (C OS2/PM OS2/DB2)

Functioned as a Junior Programmer. Designed and developed the technical infrastructure.

Junior Programmer (December 1990 – February 1991) (C OS2)

Functioned as a Junior Programmer and scribe to the systems analysts.

Industries: Internet Retail, Small Business Administration, Insurance, Financial Services, Human Services, Entertainment, Mining, Government, Retail, Financial Markets.

Hardware: PC (Linux / Windows), Mac(OS/X), HP Midrange, IBM Midrange, IBM Mainframe

Software: IBM Websphere, JBoss, Glassfish, Java EE, J2EE, Java, EJB, JMS / MDB, JSF / JSP / Servlets / Facelets / Icefaces, Netbeans RCP, SWT / Eclipse RCP, Swing / AWT, Struts / Tiles, Hibernate, Apache, Tomcat, JXTA, JAX-WS / JAXB / JAX-RS (RESTful Webservices) / WS-Security, JavaFX, Microsoft Visual Basic, Microsoft Visual C++ & MFC, Borland C++, Borland x86 Assembler, Micro-focus COBOL II, COBOL, Natural Construct, Natural II, Javascript/Ecmascript, Bash script, MS SQL Server, Oracle, DB2/OS2, IBM DB/2, UDB, MySQL, MS Access, Btrieve, Microsoft Windows 2000/XP, Linux, HP-UX, AIX, IBM OS/2, OS/X, MS DOS, Novell, MVS, CICS, IMS, IBM WSAD, Eclipse, Netbeans, Perforce, CVS, Subversion, ClearCase, Ant, Maven, Cruise Control, Microsoft Project, Microsoft Office / Open Office, Rational Rose, Magic Draw, Together J.

Education: Diploma in Datametrics

Majored in Electrical Engineering and Computer Science.
1989-1994 University of Southern Africa

COBOL Programming Certificate

1990 Van Zyl and Prichard and Computer User's Counsel.
