

KEY PERSONNEL CURRICULUM VITAE

Bruce Gibbins

Qualifications: Associate Diploma of Computing (B.C.A.E Kedron Park Campus)

Affiliations: Member of IBM Developer Business Partner Scheme.
Associate Member of GS1 Australia

1984–1999 Data#3 Limited Brisbane, Queensland
Senior Analyst Programmer and Manager of Application Services (1998-1999)

1999–Current *Bus-e Solutions* Pty. Ltd. Brisbane, Queensland
Director and Senior Analyst Programmer

Key Skills

- Systems analysis and design
- Systems development, deployment and support
- Customised software development
- Standards based software development including (Extreme Programming)
- J2EE Application Server including WebSphere and Jakarta Tomcat
- Java and Java Server Page Development
- DB2, DB2/400, Cloudscape and Derby
- Oracle v8i
- Wavelink Studio Edge (Java and J2EE platform for Wireless Devices)
- Barcoding Standards (GS1/EAN)

WebSphere and other J2EE Application Server Skills and Experience

- Implementation and configuration of WebSphere Commerce Suite and Application Server for three National IT Solution providers and IBM Business Partners with backend integration to IBM Midrange based ERPs.
- Enhancement and Extensions made to these environments to support company business processes.
- Redevelopment of these solutions to utilise WebSphere Application Server without the complexity of Commerce Suite.
- Attended IBM education and training days specifically for WebSphere Application Server, WebSphere Studio and Visual Age for Java.
- Attended IBM education and training specifically for WebSphere Portal as well as various IBM Business Partner events related to the product.
- Acted as a technical adviser for a national IBM Business Partner when tendering for WebSphere Portal opportunities.
- Designed, built and tailor built WebSphere based solutions for a large cold storage facility using Lotus Domino for some document storage and LDAP lookups. This system also utilised *Oracle* APIs to provide controlled access to a third party warehouse management system.
- Designed, built and implemented warehouse management support systems for various companies using alternate J2EE application server environments that function using similar standards and methodologies.
- A member of the IBM Developer Business Partner scheme with a specific focus on IBM WebSphere and Lotus Domino.
- Subscriber to WebSphere periodicals and forums.
- Hands-on involvement with WebSphere Application Server since 2000 with key tasks being the design and construction of Java based resources including Beans, Servlets and JSPs. We utilise the MVC patterns for all WebSphere based development with recent moves to adopt Struts as a key development strategy.

- Utilise WebSphere Studio for all software development.
- Constructed data access layers to Oracle, DB2 and DB2/400 RDBMS systems using JDBC and the database connection pooling features of WebSphere Application Server.
- Implemented 'Single Sign On' features to allow user-id and password reuse between WebSphere Application Server and Lotus Domino.

Real Estate Industry

Various dBase II, dBase III, dBase IV relational database systems for one of Brisbane's leading Real Estate Agencies.

Transport and Distribution

dBase III consignment and manifest management system for a National Transport /Carrier company.

System/38 online data entry systems for a popular cab company in Brisbane.

Housing and Construction

dBase IV Contract and Consultant Management System for a local government department responsible for the construction and maintenance of housing facilities in Brisbane.

DBASE system with an analogue weighbridge interface for large Quarry facility in Ipswich.

RPG IBM System/38 online and batch applications for a large construction cooperation in Brisbane with hardware and software interfaces into a dBase system constructed for their remote quarry – Duration 2 years.

Banking and Finance

Pascal and dBase IV systems for one of Australia's leading Financial and Banking institutions with screen scraping interfaces via 3270 Application Programming Interfaces (API) to the bank's host mainframes including Lost and Stolen cards and Account creation systems.

Form routing and workflow environment (FormLink) for computer procurements at one of Queensland's largest banks.

Medical and Health related

Interfaces into an AS/400 based repatriation system for a Brisbane based travel insurance organisations that specialised in overseas medical emergencies.

Lotus Notes Purchase order workflow environment for a Brisbane hospital with AS/400 interfaces. This application was built as a reusable form routing system called FormLink, which we own intellectual property, rights to.

Support and product enhancements to a dBase IV based Dental practice system.

Travel Industry

Senior technical product manager and advisor for a travel booking system used by numerous agencies throughout Australia. This package also included an interface into the TIAS ticketing systems operated by most large airline companies in Australia.

Various C based interface systems for a Queensland based regional airline company.

Online C application to monitor Fantasia Airline reservation queues owned and operated by a travel insurance company based in Brisbane with operating concerns throughout the world including and interfaced into their AS/400 ERP.

Geographic Information System (GIS) application for the same travel insurance provider based on MapInfo and MapBasic to assist in the provision of roadside and medical support services. Again, with interfaces to an AS/400 based ERP system.

Networking

Implemented various Local Area Networks for credit unions, banks, legal firms and various government offices in Queensland.

Hardware technologies included baseband, token ring and Ethernet utilising protocols such as 10Net and IBM PCLAN, NETBIOS and TCP/IP. Network Operating systems included OS/2, Microsoft NT and Novell.

Many IBM AS/400 PC/Support applications with terminal emulation interfaces.

Government

Microfilm management system written for the *Brisbane Titles Office* in DataFlex and later adapted for a leading hardware international vendor specialising in image processing solutions.

A contractor management system for a Queensland local government department that provided housing and construction services completed in dBaseIV.

Assist in the successful bid for a large Visual Basic / MS SQL system for the management of native land titles in *Fiji for the Native Land Trust Board*.

Assist in the design and development of a native land lease management system in Fiji.

Sole programmer responsible for the development of a simplified cc:Mail email (proof of concept) interface for a multi-million dollar tender for an overseas law enforcement agency. This project entailed the use of API facilities made available by Lotus, which allowed me to completely rewrite the user interface for the email application.

Participated in the implementation of *IBM 4690* systems for the initial implementation of the then new Waste Transport/Transfer stations established in Brisbane.

Worked with various Business Partners on pre-sales and technical calls related to J2EE solutions with a typical focus on *IBM WebSphere* product suite.

Manufacturing and Distribution

Manage the development team for a large *Vietnam* based Sugar Mill built in *Visual Basic* for a well-known Central Queensland based company.

Visual Basic Application spanning several years of development for a large Vitamin manufacturer with interfaces into an online picking system (*Pick To Light*) and an *AS/400 JDE ERP*.

Design, code and implement a customisable *workflow system* with *Lotus Notes* for a national food distributor with interfaces into a mainframe based *MFG PRO* application.

Visual Basic Application programming support for a national timber building product company as well as *Telxon Bar Code Scanner* application support for a gun based stock take system.

Visual Basic and *Crystal Report* system for a Queensland based manufacturing plant operated by one of Australia's largest dental care producer with *DDE interfaces* into their *WONDERWARE SCADA* system that manages their production lines.

Warehousing and Distribution

Developed integration modules and *EDI interfaces* to the *SwissLog WMS* for a Queensland based cold storage and distribution company. Much of this work was completed using *Java* development tools and application server environments including *IBM WebSphere* and *Apache Tomcat*. *EDI Translation* modules were also implemented using *XML interfaces* to third party *Value Added Network* vendors.

Designed, developed and implemented both batch and casually connected applications for hand held devices using wireless networking for a large national seafood broker. The technology used here was

Wavelink Studio Edge for the software development and *Symbol Bar Code scanners*, which implement the *Microsoft Pocket PC Operating System*. Server side programming was completed in *Java* and was targeted for any *J2EE compliant Application server* such as *IBM WebSphere*. The application was also built to provide real-time online data access to their *Movex Warehouse Management System* implemented on an *iSeries AS/400*.

Work was completed for a national Logistics company to implement a *J2EE Application environment* for the management of stock being routed through their various warehouse docks. This included online data retrieval and updates against their *IBM iSeries (AS/400)*.

Entertainment and Leisure Industries

Provided software customisation, integration and support of the original *IBM 4680/4690 Point Of Sale* systems at nearly all of Queensland's leading theme parks.

Stock-take system based on *PSION PDAs*.

Expo'88 pavilion game hosted on several PCs on a PC LAN written in *Microsoft DOS Basic* with *serial interfaces communications interfaces* into customised magnetic swipe card readers.

Computer and Communications Related Industries

IBM WebSphere Commerce Suite implementation and customisation for a national computer solutions procurement System.

Senior programmer and mentor for the Software Development teams at *Data#3 Limited*.

Construction and implementation of an *IBM WebSphere* based Online Ordering System for two national computer hardware distribution and reseller companies with interfaces to their *IBM AS/400* warehouse management systems.

People Tracking

We were to develop a suite of software to monitor and record RFID signals generated from *iPico RFID Readers and Tags*. This hardware and software combination were then used at various running events including marathons to register participant times as they came within RF signal range at strategic points throughout the event.