

Richard Walker



.Net Framework 2.0
Distributed Applications
Windows Applications

Date of Birth 12/09/1968

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Martial Status Married

Nationality Australian

Objective To accept roles as a software development contractor in the Canberra area. My primary interest is in roles developing rich-client and back-end systems using the Microsoft .NET Framework, C#, Delphi, UML & Model Driven Architecture and related technologies.

I believe my 14 years of commercial software development experience, formal and self-education, customer service focus, excellent people and communication skills, problem solving ability and commitment to learning will be an asset in any of these roles.

Education

2009
Microsoft Certified Technical Specialist
Microsoft .NET Framework 2.0 Windows Applications

Exams 70-526 & 70-536, MCP ID: 6475841

2008
Microsoft Certified Technical Specialist
Microsoft .NET Framework 2.0 Distributed Applications

Exams 70-529 & 70-536, MCP ID: 6475841

1998 – 2004
Charles Sturt University, NSW
Bachelor of Information Technology
Distributed Systems & Software Engineering Majors

GPA 5.78

1981 – 1984
Temora High School, NSW
School Certificate

Mathematics: grade 1, English: grade 2

Work Experience

Mar 2009 – current
VSoft Technologies, Phillip ACT
Developer

VSoft technologies produce **FinalBuilder** and **Automise**, which are software tools for developers and IT professionals. My primary tasks with FinalBuilder was to port it from **Delphi 2007** to **Delphi 2009**, which involve updating components and **Unicode** conversions. I am also developing FinalBuilder 7, part of this task is to **refactor**, remove duplicate and dead code, fix bugs and reduce code size and complexity. One important aspect of re-writing the code was implementing **unit tests** on the core of the system and the generic classes. The unit tests were written prior to changing the code and verified the behaviour remained unchanged and uncovered existing bugs. Interfaces were used where necessary to get access to methods that required testing.

Part of this project involved creating a user friendly wrapper around the PerlRegEx libraries for using **regular expressions** in Delphi code with the .NET syntax. Many lines of custom parsing code have been replaced with simple regular expressions. FinalBuilder actions use many tools including a range of version control systems, language compilers, installers and unit testing tools.

Work Experience (Continued)

Dec 2003 – current Granite Solutions, Jerangle Director

Granite Solutions is my business, specialising in commercial and contract software development and products using Windows based technologies. I developed a Ski Hire application called HireSolutions to replace a DOS application I created in the early '90s. HireSolutions runs on the **.NET 1.1 framework** and was created using **Delphi 8 - 2006** for **.NET, ECO** (Borland's Model Driven Architecture tool) **WinForms, .NET Remoting** and **MS SQL Server 2000**. The application uses **DevExpress XtraReports** for reporting and printing. Some assemblies I wrote in **C#**, notably for encryption, compression and parsing text CSV files. I used **InnoSetup** for the installation of HireSolutions.

HireSolutions has been on sale for 5 years and I have 25 shops using the system. In 2007 the hire system was modified to do formal and suit hire as well.

I have also created and modified smaller applications, mainly for data maintenance & interfacing between legacy systems.

I have recently worked on an **Open-Source** code editor called **ConTEXT**. It needed porting to Unicode and it was written in Delphi. I've moved it to Delphi 2009 and well on the way to getting a new version released. My motivation was to keep alive a great secondary tool that I use everyday development as the viewer and editor in VCS systems and for quickly looking at a file in another project.

Mar 2007 – May 2008 Department of Health and Ageing, Woden Contractor / Non-Ongoing EL1

The role was with the Casemix Collection and Reporting Section (Acute Care Division, Healthcare Services and Financing Branch) where my tasks involved maintaining and extending a variety of applications used by staff within the Department, Private Hospitals, Health Funds and the States and Territories. The work was varied and involved fixing bugs, adding new features, profiling and improving performance, creating installation packages, creating new tools to assist the team and extending existing tools. One project was to document existing data handling processes, then automate them. Most of the work has been in **Delphi 2007 (Win32)**, with some **Delphi 7** and **Delphi 5**. Other tools used include **DevExpress** components, **Inno Setup, GPPProfile, Paradox, MS Access, BDE** and **ADO**. (Initial 3 months contract, 2 extensions + a 6 month non-ongoing contract with DoHA)

Oct 2002 – Dec 2003 Retail Knowledge Management, Sydney Chief Technology Officer

My role was to complete, enhance, upscale and stabilise a Time, Attendance and Rostering application. This required refactoring the design from a desktop RAD application to a distributed object-oriented application.

This role required the implementation of a source control system, hiring of developers, cleaning the database design, review and clean the code base, design, schedule and implement new features, re-design and re-write modules as required. Technologies used were **Borland Delphi 5 Enterprise**, BDE and Paradox, **QSC Team Coherence, InstallShield Express 4.0**.

Oct 1995 – Oct 2002 Pacsoft Limited (formally PEG Technology and POSPro) Sydney Software Developer

Pacsoft provided Point Of Sale (POS) systems for retailers to aid inventory management, sales capture, reporting, and data maintenance.

1999 – 2002, I was involved in the design and implementation of features for a Windows based POS Software, using **Delphi 5 Enterprise, MS SQL Server 7 & 2000, ADO, XML, XSL** and **SMTP**. This system was an early implementation of XML and required a custom framework to handle it and a custom object persistence framework

(OPF) to abstract the storage and data access layers away from the business logic.
Clients included: SingTel, Virgin Mobile, Gowings and Golf World.

1995 –1999, POSPro DOS based POS (Off-site developer). I was the sole developer for much of this period using MS **FoxPro 2.6** as we secured sales to Vodafone, Ryda, Guess?, Nevada Bobs, GNC Health Foods and Australian Geographic. Existing clients included Angus & Coote Duty Free, The Games Wizards and Paddy Pallin.

My duties in both roles included:

- Analysis, design and production of software solutions
- Creation of utilities for internal and client use.
- Product support, documentation, creating processes and procedures.

Sept 1987 – Sept 1995 **Paddy Pallin Pty Ltd Sydney, NSW** **Retail Management and Sales**

- April 1990 – Sept 1995, Manager *Canberra store*.
Responsible for: Rostering, employing and training of staff, team building, implementing systems and procedures, setting and achieving sales, stock and profit budgets, product selection and customer sales.
- March 1989 – March 1990, Assistant / Acting Manager *Sydney store*
- Nov 1988 – Feb 89, Acting Manager *Hobart store*
- Sept 1987 – Oct 1988, Department Manager, *Sydney store*

Jan 1985 – Aug 1987 **Eastwood Camping Centre Sydney, NSW** **Retail Sales**

Customer service, Stock ordering, General Duties

IT Skills

Strong Skills

- **Codegear Delphi 2009 & 2007 for Win32, Borland Delphi 2006, 2005 & 8 for .NET, C#Builder, Delphi 7.0 & 5.0 Enterprise for Win32** development environments. In the past 4 years I have been using a mix of .NET and Win32.
- **Microsoft .NET Framework 1.1 & 2.0**, technologies and tools esp **WinForms**, shared assemblies, **.NET Remoting** and the underlying .NET class libraries. Creating assemblies in **C#** and using 3rd party assemblies as well as some **COM Interop**.
- **ADO.NET** and **Borland Data Provider (BDP)** data access libraries to connect to **MS SQL 2000 (MSDE)**, **ADO** to connect to **MS Access 2003** and the **Borland Database Engine (BDE)** to connect to **Paradox & FoxPro**.
- **SQL** query and data manipulation including select, update, insert and delete statements and setting of constraints.
- **Unit Testing** using NUnit for the .NET framework and DUnit for Delphi Win32 Applications, including some mocking.
- **InnoSetup** (and the graphical front-end tool **ISTool**) to create professional, faultless and repeatable installations. Skills include creating scripts, converting Installshield scripts, writing custom Delphi script and customised messages.
- **Microsoft SQL Server 2000**, including **DTS** packages, scripting, Enterprise Manager, backup, database configuration and performance tuning.
- Version Control / Source Control system including Microsoft **Visual SourceSafe (VSS)**, **Team Coherence**, **Seapine Surround SCM & SubVersion** (via TortoiseSVN)
- **Object-oriented** design and development techniques including composition, encapsulation, inheritance, polymorphism, abstraction, class hierarchies, object and component re-use and information hiding.
- **Capable Objects** (formally Borland) **ECO** (Enterprise Core Objects), a Model Driven Architecture (**MDA**) framework that handles object persistence in Delphi Architect editions. Including **OCL** (Object Constraint Language) to query and

retrieve objects.

- **UML** diagrams for system design and implementation, primarily class diagrams. Document the use of inheritance, associations, composition, cardinality, stereotypes, roles, attributes, operations and apply DNC.
- **Model Driven Architecture**, to document and implement the design of the business logic and the required classes. Abstract the infrastructure code and focus on the user requirements and business rules.
- **Refactoring** existing software systems to enhance features and improve stability, usability, quality, remove errors and duplicate code.
- **Regular Expressions**
- **XML** document creation, communication and parsing. **XSLT** to create HTML output documents.
- **Interfacing with external and legacy systems.**
- **Microsoft FoxPro 2.6** for DOS (dBase variant). 7 years experience.
- Microsoft operating systems incl. **Windows Vista, XP, Windows 2000 Pro, Windows NT 4.0 & Windows 98**. Installation, configuration & networking.
- **Problem solving skills** including source code debugging, operating system issues including bootlog analysis and driver conflicts, use of tools and utilities.
- **Microsoft Office** applications, particularly **Word, Excel** and Access

Workplace Skills

- Excellent **communication skills**. Able to listen and question to clarify issues and seek the core problems and solutions required.
- Great **teamwork** skills. The ability to identify tasks and the best person to complete it. Training and mentoring of staff to pass on skills and knowledge to strengthen individuals and the team.
- Ability to **analyse**, document and suggest improvements to **processes**.
- Able to **comprehend** new **concepts** and **systems** quickly.
- Good **rapport** with both **clients and team members**.
- Ability to **work unsupervised**, including working from my home office.
- Knowledge of **business systems** and constraints from both management and software development perspectives.

Other Qualifications

- Member of Canberra .NET User Group.
- Active Member of Australian Delphi User Group (ADUG). Presenting topics and workshops as well as attending meetings.
- Member of Golden Key International Honour Society
- "Stepping Into Mathematics" *Charles Sturt University*. May '03
- "Stepping Into Statistics" *Charles Sturt University*. Feb '02
- "First Aid" *NSW State Emergency Service*. Sept '00
- "Building Retail Sales" *Prime Learning*. May '94
- "Achieving Excellence in Design and Implementation of Training Programs" *Anutech*. July '93
- "Retail Stock Management" *Australian Institute of Management (AIM)* July '93
- "Getting Everything Done" *Time Management IIR*. May '91
- "Profit Growth in Retail Trading" *Longman Professional*. May '90
- "Leading an Effective Sales Team" *AIM*. May '89
- "Introduction to People Management" *AIM*. Sept '88
- Awarded rank of Cadet Under Officer *Army Cadet Corp*. Dec '84

Interests and activities

- Bushwalking, rogaining, telemark skiing, backcountry ski touring, mountain bike riding, bush running and travel.
- Listening to music (alternative, rock and pop).
- Building, repairing and working with my hands.

References

Karen Chudleigh,

Director, Casemix Collection and Reporting Section, Department of Health and Ageing
Work: 02 6289 8381
My supervisor for most of my time at DoHA.

Frank Van Praag,

Solution Consultant, TIBCO (Former Systems Engineer, Borland Australia Pty Ltd)
Work: 0416 133 922
I know Frank through Borland and the Australian Delphi User Group.

Malcolm Groves,

Director of Technologies and Marketing - Asia Pacific, CodeGear (formally Borland)
Mobile: 0416 264 204 Email: Malcolm.Groves@codegear.com
Previously Technical Director and Chief Architect at PEG Technology 2000 - 2001.