

DAVID ROSS

Unit 3, 27 Barton Rd. Artarmon. 2064

Phone (02) 9415 4687 / Mobile. 0421 995584

David is a specialist in the design and implementation of n-tiered enterprise applications using Microsoft technologies. He has made the transition from C++/Visual Basic, DNA based architectures to .NET (MCSD.NET accreditation) and has participated in the successful design and implementation of two large projects using C# and ASP.NET. He has worked in the Insurance and Financial Services industries and on a web services project for Intel.

CAREER ACHIEVEMENTS

- Portal Development Team Lead and consultant to Database & Infrastructure Teams at AMP
- Developed **Web Service** training material for Intel
- Designed **USB** based devices using the **Scanlogic SL11 chip set** and Windows device drivers using **Numega Driverworks**.

SKILLS MATRIX

<i>Technology</i>	<i>Expertise</i>	<i>Technology</i>	<i>Expertise</i>
C#	High – 2 yrs	ASP.NET	High – 2 yrs
Visual Basic	High – 4 yrs	SQL Server	Medium – 6 yrs
C++	Medium – 8 yrs	OO/UML	Medium – 4 yrs
XML/XSLT/XSD	High – 4 yrs		

EMPLOYMENT RECORD

Willmation (2004 – Present)

Willmation is a consulting company started by David to provide mentoring, training and technical leadership to companies moving to .NET.

Project – Lexus CRM – Client Toyota Financial Services (6 months)

Consultant

Toyota needed assistance completing a CRM portal used by its dealers. The project had become stalled during User Acceptance Testing (after 12 months of development) due to a large number of performance problems and defects.

- Completed an architectural review of the solution – Included necessary refactorings and enhancements
- Increased the performance of business critical transactions (up to a 15x improvement)

Technical Environment

- Onyx Employee and Partner Portal
- VB/COM+
- ASP/ASP.NET
- SQL Server 2000
- Crystal Reports

InfoSys Australia (2001-2004)

The Australian arm of the multinational InfoSys is a Microsoft Gold Partner specialising in consulting services and application design for the telecommunication and finance industries.

Project - RAPS – Client ARIA (3 months)

Senior Analyst Programmer

The RAPS project, at the Australian Record Industry Association was designed to replace a legacy text

mode payment system with a browser based solution. It included commission calculations (derived from track plays), cheque generation and reporting (weekly Australian Top 100 Music Chart). The project's development team was located in India while the business analysis and architecture team worked on site at ARIA. David provided technical leadership during the detailed design phase of the project.

- Performed business analysis activities including requirements gathering, screen and report layout design
- Allocated and reviewed work created by the off shore team
- Created an XML driven, layered security module to set the user access rights on each page and web part – Developed by extending the “Code Access Security” framework within .NET

Technical Environment

- ASP.NET - C#
- SharePoint 2003
- SQLXML
- SQL Server 2000
- Crystal Reports

Project – Automation and Efficiency – Client AMP (1.5 years)

Senior Analyst Programmer

The Automation and Efficiency Program (\$30 M) was AMP's largest IT project with approximately ninety staff and was established to orchestrate the interaction between Planners, Customer Service Staff and Underwriters. The project was one of the first of its kind in Australia and became prominent in a number of industry publications.

Sub Project – Customer Service Automation

The Customer Service Automation project combined work flow (Staffware), scanning and optical character recognition (Readsoft), document storage (OnDemand), letter generation (Autograph), messaging (MQSeries) and customer relationship management (Siebel). Scanned documents would be routed to one of AMP's many teams for processing. Team members could then complete the work or request additional information (through a work forwarding process) from other AMP staff, medical consultants or planners. Internal users would interact with the system via an Intranet site developed by InfoSys and AMP staff.

- Rearchitected a poorly designed ASP based solution with ASP.NET.
- Mentored AMP staff who were transitioning from backgrounds in Visual Basic 6.0 to C#.
- Built core services and business components for a framework based upon Struts – Page Navigation Rules/Service and Business Object invocation was configurable using XML files
- Reduced project delay by rewriting a critical subsystem (DCOM middleware component written in Visual Basic) that had been developed by an overly enthusiastic but very inexperienced vendor
- Used NUnit to test and develop Business Objects. Created an emulation mode for each BO so that UI team members could develop and test pages before the business components were complete.

Sub Project – Straight Through Processing

Provided financial planners with the ability to create New Business Applications online. The project also generalised the solution developed during the CSA program so that it could be shared throughout AMP.

- Performed Team lead activities including system design, estimation and work allocation.
- Worked with the Business Analysis team gathering requirements.
- Developed stored procedures and a test suite under Oracle.
- Developed a dynamic forms engine to store web page content and layout in Oracle - Enabled the solution to scale to 1500 different business processes.
- Performed code reviews of Staffware EAI steps written in C++ on AIX

Technical Environment

- ASP.NET - C#
- GNU C++ on AIX
- Javascript

- Internet Explorer 6.0
- Oracle 9i
- Staffware i10
- PVCS

Project - Ignite – Client Intel (3 months)

Analyst Programmer

Intel needed to promote their *Occasionally Connected Computing* initiative at a number of developer conferences. InfoSys and Intel created a set of seminars and lab sessions to instruct developers in using Visual Studio .NET to create Web Services. The project included designing a database driven spreadsheet and a daily do-to list web site. The Presentation, Business and Data Access layers were all created using Web Services.

- Worked within the confines of a small team with a very short deadline.
- Wrote the *Web Services Activity Viewer* to show SOAP messages being passed and transformed between layers.
- Demonstrated using Web Services within legacy applications using COM wrappers.

Technical Environment

- SQL Server 2000
- ASP.NET - C#
- Visual Basic for Applications
- SQLXML
- Internet Explorer 6.0

Project - Payment System – Client Mortgage Choice (1 year)

Analyst Programmer

Mortgage Choice, Australia's largest independent mortgage broker came to InfoSys with the goal of replacing a suite of legacy Access based applications with an enterprise scale solution. The project used many best of breed technologies such as Web Services, XML, XSLT, XSD and COM+.

- Developed Visual Basic components and stored procedures.

Technical Environment

- Microsoft Visual Basic 6
- IE 5.5
- Web Services/SOAP Toolkit
- Microsoft Visual C++ 7
- SQL Server 2000
- ASP

TMQ International (1999-2001)

TMQ International is one of Australia's largest wholesalers of electronics for the marine industry. The company designs a number of electronic devices to enhance their product line and to interface with other devices.

Project - Depth Sounder (i.e. Fish Finder)

Embedded System Engineer

David was the main engineer in the development of a Depth Sounder. The device is used to calculate the density of objects under a vessel such as schools of fish. Unlike most commercial fish finders the soundings were displayed on a Windows 98 computer.

- Worked with other engineers to develop a USB subsystem to be used across TMQ's product line. Developed using the Scanlogic SL11 USB driver chip and Compuware's Driverworks for the Windows device driver.
- Designed the data acquisition subsystem and pulse generator for the sounder using Altera programmable logic devices and the Altera Hardware Definition Language (AHDL).

Technical Environment

- Microchip PIC Processor/C++
- Protel
- Altera Logic Devices

The Dot Service Provider (Casual 1996-1999)

The Dot was a small business that David started while at University that employed students in a part time capacity.

Project – Web Page Design

Consultant

The Dot was involved in the design of a number of web sites for Australian, New Zealand and British clients. Typically the company was employed by smaller Internet Service Providers in Brisbane that used The Dot to provide services for their smaller customers, whom were often based overseas.

Project – Department of Natural Resources QLD

Programmer

David was able to successfully migrate a custom built database written in the 1970's into a relational model. Work consisted of a code review of the original C program, extracting the data and translating the results into SQL Server. By analysing the data the scientists were able to utilise twenty years of forestry measurements to build sophisticated models of tree growth rates.

Project – Pauls Foods

Programmer

Pauls Foods is one of Australia's largest producers of diary products. David worked within Pauls' IT department where he started with network phone support and then moved to SAP support. He worked closely with Paul's maintenance department where he created training material to teach basic SAP skills in the PM03 Work Orders module.

INDUSTRY CERTIFICATIONS

Microsoft Certified Solution Developer - *Microsoft .NET*

Microsoft Certified Database Administrator - *Microsoft SQL Server 2000*

- Developing XML Web Services and Server Components with Microsoft Visual C# .NET and the Microsoft .NET Framework
- Developing and Implementing Windows®-based Applications with Microsoft® Visual C#™ .NET and Microsoft® Visual Studio® .NET
- Developing and Implementing Web Applications with Microsoft® Visual C#™ .NET and Microsoft® Visual Studio® .NET
- Analyzing Requirements and Defining Microsoft .NET Solution Architectures
- Installing, Configuring, and Administering Microsoft® SQL Server™ 2000 Enterprise Edition
- Designing and Implementing Databases with Microsoft® SQL Server™ 2000 Enterprise Edition
- Managing and Maintaining a Microsoft Windows Server 2003 Environment
- Installing, Configuring, and Administering Microsoft® Windows® XP Professional

ACADEMIC RECORD

1994-1999 Griffith University, Nathan Campus QLD.

Bachelor of Information Technology/Bachelor of Microelectronic Engineering

HOBBIES/INTERESTS

David enjoys sport and plays golf and squash regularly. He is also a keen skier and traveller.

REFEREES

Available on Request