



LEE TRAN

57/50 Ellenborough Street, LYNEHAM ACT 2602, AUSTRALIA

Mobile *****

Emails. *****

lee.tran@apac-consulting.net

CAREER OBJECTIVE

My objectives are to broaden my experience and skills in computing, particularly in Software Engineering, Internet / Intranet Application development, and computer languages, in a development environment which would fully utilize my investigation, diagnostic, analytical and system solution skills.

CAREER SUMMARY

Formally trained in Software engineering, participated in all aspects of System development life cycle. Specialized in designing and implementing large scale and distributed web-based, smart client (WPF) solutions using mainly Microsoft technology stack (Microsoft Visual Studio, SQL Server, TFS, WCF, WPF, Project server) and modern JavaScript/CSS frameworks (AngularJS, Knockout, Bootstrap), Middleware technology (IBM WebSphere), RDBMS (IBM DB2, Oracle), nHibernate/Entity framework.

EMPLOYMENT FOCUS

Would prefer an employer engaged in service to clients in computing, software and communications.

COMPUTING SKILLS

- Specification and design of commercial software packages from user's requirements;
- Problem analysis and design of system solutions;
- Programming substantial technical systems (Language: primarily C/C++/Object Pascal/Java.);

- Designing and implementing Web-based multi-tier Client/Server and Distributed solutions;
- Software testing and development of diagnostic tools;

QUALIFICATIONS

- Bachelor of Computing Science, University of Technology, Sydney, graduated in 1990. Specialized in Software Engineering;
- Passed exams 70-150 & 70-151 - Windows Open Service Architecture I & II, 1997;
- Passed exam 70-152 - Designing and Implementing Web Solutions with Microsoft Visual InterDev 6.0, April 1999;
- Passed exam 70-176 - Designing and Implementing Desktop Applications with Microsoft Visual Basic 6.0, June 1999;
- **Microsoft Certified Solution Developer** (MCSD Jun 24, 1999);
- Passed exam 70-175 - Designing and Implementing Distributed Applications with Microsoft Visual Basic, August 1999;
- Passed exam 70-300 – Analyzing Requirements and Defining Microsoft .Net Solution Architecture, May 2005;
- Passed exam 70-316 - Developing and Implementing Windows-based Applications with Microsoft Visual C#.Net and Microsoft Visual Studio.Net, May 2005.
- Passed exam 70-315 - Developing and Implementing Web Applications with Microsoft Visual C#.Net and Microsoft Visual Studio.Net, June 2005.
- Passed exam 70-320 - Developing XML Web Services and Server Components with Microsoft Visual C#.Net and the Microsoft Framework, June 2005.
- **Microsoft Certified Application Developer** (MCAD .Net Jun 20, 2005);
Passed exam *****: Designing and Implementing Databases with Microsoft SQL Server 2000 Enterprise Edition.
- **Microsoft Certified Solution Developer for .Net** (MCSD .Net Aug , 2005);
- Passed exam 70-536 - Microsoft® .NET Framework 2.0 - Application Development Foundation, June 24, 2008.

CAREER RECORD

APAC Consulting Vietnam

June 2015 – Present (Part-time)

Senior Consultant

I have assumed a leading role in the enhancement of adaQuest's TAD (Think – Act – Deliver - <https://tadapp.adaquest.com:49241/#/think/home>) software package using Microsoft technology stack (ASP.net MVC, SQL 2012, and Project server), JavaScript/CSS frameworks Angular, and Bootstrap, CSS Pre-processors, TypeScript, web API / REST, and Azure authentication service. I have also integrated TAD with Microsoft SharePoint and Dynamic CRM 2013 via web services.

Development Tools

Operating Systems: Win2012 server, windows 7.

Development Methodology and Modeling Tools: Software: SharePoint, Microsoft Dynamic 2013, MS VS .Net 2015 (WPF, WCF), Ajax, jQuery (including jQuery Grid), MS Team Foundation server, MS SQL 2012, MS ASP.Net MVC 4.0, Mock/Unit testing Automapper, nHibernate, HangFire, MediatR, Microsoft Azure services.

HP / ATO (Canberra)

June 2016 – Current

System Engineer /Siebel administrator (SME)

I have worked at HP as a Siebel administrator supporting ATO Siebel installation, customisation and configurations since version 7.x (in 2008), and currently Siebel 8.x (Open UII). I have worked collaboratively with other HP service provider groups such as Gateway to configure load-balancing, Network team to provision physical and virtual servers, EAI team to configure application interface with other ATO applications, and database teams to support ATO Siebel CRM on 24/7 SLA.

I have also worked collaboratively:

- ✓ with ATO business team to resolve user problems such as refreshing user profiles, user workstation configurations;
- ✓ with ATO technical team to trouble-shoot Siebel performance issue and crashes during peak times and develop Siebel EIM jobs to support business needs;
- ✓ with ATO Enterprise testing team to install and configure (including data migration) Siebel in test environments.

My daily responsibilities include:

- Conducting Siebel health checks using HP and ATO monitoring tools;
- Responding to Siebel issues (performance, crashes, user experience, and more);
- Installing / configuring new Siebel environments for various Siebel enhancement projects;
- Review and deploy patches, hot-fixes, data fixes (EIM jobs) and updates (e.g. SRF, repository and physical schema sync);
- Attending weekly Siebel forum meetings with various ATO Siebel teams.

Development Tools

Operating Systems: Win2003/2008 server, Windows XP/ Vista/7 PC.

Software: MS SharePoint, Siebel, MS SQL server 2005/2008, Cognos, I&AM, Autosys, Oracle Databae. MS Visual studio 2100.

ATO / Accenture

June 2014 – June 2016

Senior Developer (Contractor)

I assumed a leading role in enhancing ATO legacy enterprise and n .Net tiers application using multi-threaded windows services to process substantial large numbers of transactions which arrive via Enterprise Application Interface (EAI) channels and several Internet facing web-based tiers, and then processed by the windows services, and then also dispatched by EAI channels (IBM WebSphere) to update SQL backend databases (DB2 and Microsoft SQL servers).

I participated in the developments of ATO Digital Priority Services and Single Touch Payroll (STP) as part of the government's Digital First policy that attempts to enable ATO web-based applications via MyGov portal on all devices with Mobile First design principal. I utilized ATO TechArc framework which is ATO Enterprise Service Bus to deliver modern web applications (Single Page application architecture using Durandal, Bootstrap, Knockout and many more JavaScript frameworks) and legacy ASP.Net web applications.

The ATO TechArc is responsible for the following:

- intercepts REST Web API requests from ATO web presentation tier which consists of modern web application (SPA using Durandal, Bootstrap, Knockout and many more JavaScript frameworks) and legacy ASP.Net web applications;
- invokes authentication services and re-construct the requests with security token;
- invokes application layer which in turn invokes WCF services;

- orchestrates the messaging layer which involves IBM WebSphere MQ and ATO Enterprise Application Interface in synchronous and asynchronous patterns;
- constructs the response

Development Tools

Operating Systems: Win2003/2008 server, Windows XP/ Vista/7 PC, Mobile, Tablets.

Software: Durandal, Knockout, Bootstrap, Grunt, Node.js, MS VS .Net 2010 (ASP.Net, VB.Net/C#, MVC 4.0 , WCF, REST, Moq (Mocking framework), MS Team Foundation Server, MS SQL 2008, IBM WebSphere (v7).

HP (Canberra)

Dec 2012 – June 2014

System Engineer

I was involved with the enterprise application support and infrastructure specialist of ATO Production platform which consists of various enterprise COTS applications such as IBM InfoSphere (DataStage), Siebel CRM, SAP, I&AM (Identity Management system), Cognos and IBM WebSphere product line (WAS, MQ-Series) and CM/DM, Record management system. I was responsible for:

- working closely with ATO technical teams and software vendors (IBM, Oracle) to develop and integrate several ATO Java J2EE and .Net applications with COTS products;
- designing COTS and in-house system enhancements which involves conceptual, detailed design specifications;
- trouble-shooting production issues such as application crashes and performance issues which could involve backend databases, network and load; and working closely with ATO technical teams and software vendors (IBM, Oracle) to resolve production system technical problems;
- working closely with software vendors (IBM, Oracle, CA, Genesis, Optus) on behalf of ATO regarding new software installations and upgrades ;
- integrating various vendor software products with ATO existing application via ATO Enterprise Application Interface (EAI) using IBM WebSphere product lines (MQ Series, Information server, and more);
- developing critical system health checks and automated self-heal tools using HP Object Orchestration (HP-OO); particularly with Disaster Recovery (DR) full test rehearsal automation;
- triaging application defects and resolutions through HP Remedy application which acts as a central repository for Production releases, incidents and knowledge base; also authoring several knowledge base articles regarding common ATO system incidents and resolutions;
- critical system capacity planning in line with ever-increasing production user base and data.
- supporting HP TRIM corporate applications

Development Tools

Operating Systems: Win2003/2008 server, Windows XP/ Vista/7 PC.

Software: MS SharePoint, Siebel, MS SQL server 2005/2008, Cognos, I&AM, Autosys, Oracle Databases. MS Visual studio 2100.

DEEWR (Canberra)

Dec 2010 – 24 Dec 2012

Architect / Senior Developer (Contractor)

I have been actively involved in the migration of DEEWR existing .Net/SQL 2008 applications and legacy (VB6 and ASP) to Windows 2008 server platform. I have also been involved in the development of the WCF framework to facilitate the separation of .Net Web-based and window applications from third party products to save license cost. I also assumed an architect role in the enhancement of DEEWR School Service Point Portal (<https://ssp.deewr.gov.au>) web site to enable Geo-coding of non-government student residential address to determine level of recurrent funding using Google Map JSAPI, OpenLayers, and IQ Office solutions. I have also developed a generic Geo-coding WCF (Windows Communication Foundation) site to support multiple DEEWR internal applications (INDIGO, Skills, Intranet, and more) in retrieving Electoral, remoteness boundaries.

Development Tools

Operating Systems: Win2003/2008 server, Windows XP/ Vista/7 PC.

Software: MS VS .Net 2010 (ASP.Net, MVC, WPF, WCF), MS Team Foundation Server, MS SQL 2008, IQOffice, OpenLayers, Google API.

ATO (Brisbane)

Jun 2010 – Dec 2010

Senior .Net Developer (Contractor)

I was actively involved with the re-development of ATO (Australian Taxation Office) flagship product ABR (Australian Business Register – existing legacy <https://abr.gov.au/>). I used Microsoft Visual Studio .Net 2010 to develop ABR web-based, multi-tier Internet application (ASP.Net).

Development Tools

Operating Systems: Win2003 server, IBM PC Compatible.

Software: MS VS .Net 2010 (ASP.Net, WPF, WCF), MS Team Foundation Server, MS SQL 2008, Microsoft LDAP/ADAM, Microsoft UIP application block, and MS Unity application block, Microsoft T4 templates, XPath / XSLT.

AEC (Canberra)

Jan 2010 – June 2010

Senior .Net Developer (Contractor)

I assumed an active role in the design and development of AEC flagship product which is Funding and Disclosure (FAD – <https://ereturns.aec.gov.au>). I took part in the development of the FAD's WCF framework which incorporates Microsoft MembershipProvider as part of the middle-tier security framework for authentication and authorization. I also developed several web services which utilizes the underlying WCF framework, domain object model (nHibernate) to support ASP.Net MVC front-end. I also developed ASP.Net MVC wizard framework to ensure all FAD web-based wizards conform to the corporate UI design and branding.

I used advanced coding techniques such as inversion of control (IoC) and Microsoft T4 templates for code generation.

Development Tools

Operating Systems: Win2003 server, IBM PC Compatible.

Development Methodology and Modeling Tools: Borland CaliberRM, Enterprise Architect.

Software: MS VS .Net 2008 (WPF, WCF), Ajax, jQuery (including jQuery Grid), MS Team Foundation Server, MS SQL 2008, MS ASP.Net MVC 1.0, nHibernate.

FWO (Canberra)

Aug 2009 – Jan 2010

Senior .Net Developer (Contractor)

I have been developing FWOs PayCheck internet website (<http://paycheck.fwo.gov.au/PayCheckForm.aspx>) to support government new initiative in introducing Federal unified modern awards. I successfully developed FWO's middle-tier framework using Microsoft .Net WCF. I have also utilized ASP.Net 3.5, Ajax to deliver a highly interactive Paycheck website.

Development Tools

Operating Systems: Win2003 server, IBM PC Compatible.

Development Methodology and Modeling Tools: Borland CaliberRM, Enterprise Architect.

Software: MS VS .Net 2008 (WPF, WCF), Ajax, jQuery, MS Team Foundation Server, MS SQL 2005.

DEEWR (Canberra)

Dec 2008 – Aug 2009

Senior .Net Developer (Contractor)

I assumed a leading role in the development of DEEWR ESC4 project. I am responsible for the development of several Microsoft .Net 3.5 WCF web services which are consumed internally by DEEWR smart client (Winform) and web-based applications, and externally by Centrelink. I have also migrated existing DEEWR ESC3 smart client and middle-tier components to the DEEWR's new presentation and middle-tier frameworks which adopt Microsoft .Net framework 3.5 and the new Enterprise Library. I have been developing WPF control library (PropertyGrid, DatePicker) and system utilities such as WCF web service studio using Microsoft WPF framework, LINQ and MVVM design pattern. I have also taken part in the redevelopment of DEEWR Technical portal using Microsoft MVC. I also developed ESC4 offline SmartForm functionality using Adobe LiveCycle technology.

Development Tools

Operating Systems: WIN2003 Server, IBM PC Compatible, IBM Mainframe.

Development Methodology and Modeling Tools: Borland CaliberRM, Enterprise Architect.

Software: MS VS .Net 2008 (WPF, WCF), MS Team Foundation Server, Microsoft SharePoint Server 2007 (Microsoft Office Infopath & Form Services 2007), MS SQL 2005, IDB DB2 and Websphere, Adobe LiveCycle Designer.

EDS (Sydney/Canberra)

Apr 2007 – Dec 2008

Infrastructure & Application Development Support (Contractor)

I have been actively involved in the integration and production support of ATO Change Program project, a comprehensive technical blueprint of ATO external and internal system integration for future tax reform. Under this project, ATO will automate information management and archiving to support business processing needs of ATO employees and systems.

My main responsibilities involve:

- Integrating, trouble-shooting and production supporting of ATO internet and intranet production systems at ATO Canberra Data centre (which comprises of vast array of complex, integrated enterprise technologies such as Siebel CRM, IBM WebSphere Enterprise Messaging and Workflow technology (Content management & Document Manager), Java-based Identity management (IAM), COGNOS Reporting Services, many other third-party vendor software products, and several ATO Microsoft .Net in-house products);

- Fine-tuning Siebel (EAI, AOM, EIM), IBM Content management system performance
- .Net/MQ Series/ IBM Message Broker BA application deployment and support;
- Maintaining and enhancing the BCC Release management portal (a repository of hardware and software configuration and related documents) using Microsoft Office SharePoint 2007. Responsibilities: design and develop custom master pages and web parts, develop packaging and deployment tools;
- Developments of systems utilities using .Net C# /VB.Net scripts and WMI.

Development Tools

Operating Systems: Win2000 server, WIN2003 Server, IBM PC Compatible, IBM Mainframe.

Development Methodology and Modeling Tools: Visio, Microsoft Solutions Framework (MSF), ITIL.

Software: MS VS.Net 2005, MS VS .Net 2008 (WPF, WCF), Microsoft SharePoint Server 2007 (Microsoft Office Infopath & Form Services 2007), Application Center, Microsoft Operations Manager (MOM), VMWare, Active Directory, MS SQL server (2000 & 2005), IBM DB2, Microsoft Internet Security and Acceleration Server (ISA), IBM WebSphere Enterprise Messaging and Workflow Technology (Content Management, Document & Record Management), COGNOS Reporting Services and Siebel CRM (v7.7). ATO Enterprise products such as Enterprise Application Integration framework (EAI), ETL, IBM DataStage, TeraData (Data warehouse), CA Autosys (Unicenter Enterprise Job Manager).

ATO (Canberra)

Sep 2006 – Apr 2007

Senior Developer (Contractor)

I was actively involved in the migration of ATO Internet Security Framework to .Net 2.0 and Windows 2003. The Internet Security Framework provides security services to ATO applications residing in the Internet Data Centre (IDC). I also participated in the re-development new products such as Online Access Management (OAM) in .Net 2.0 for the ATO's Middleware & Common Services team. I was responsible for designing and implementing generic test harnesses for unit and integration testing of Middleware infrastructure components in addition to NUnit. I developed several ISAPI filters using Visual C++ for several ATO internet and intranet websites including SharePoint to improve user experience.

Development Tools

Operating Systems: Win2003server, IBM PC Compatible, IBM Mainframe.

Development Methodology and Modeling Tools: Visio, Microsoft Solutions Framework (MSF).

Software: MS VS.Net 05 and Team Foundation Server (TFS), Active Directory, MS SQL server 2005.

EDS (Sydney/Canberra)

Jan 2006 – Sep 2006

Infrastructure & Application Development Support (Contractor)

My main responsibility was to provide guidance on planning, documentation, deployment, to project teams to assist in the delivery of the applications to ATO production environments. While an application is moving through its development and testing phases, I provided technical support and advice to applications' project directors, and technical leads on the ATO best-practice based upon past successes. My key focus was to make the delivery and operation of the application predictable, repeatable, and automated as much as possible. I assisted development teams with the preparation of required technical documents such as Application Architecture specification, Critical path, Microsoft Operations Manager (MOM) pack, Run book

and application deployment guide to conform with ATO Distributed Systems Environments (DSE) guidelines. ATO DSE consists of Internet Data centers (IDC), Enterprise Data center (EDC) and Midrange Managed Environment (MME).

I assisted development teams (including project managers, stakeholders and technical leads) such as eTax, Interactive Voice Recognition (IVR), Excise Collection System (ECS) and several other projects with application and infrastructure's architectural designs, as well as system deployment schedules into various environments in DSE. I did eventually perform actual application deployments. I was also actively engaged in troubleshooting production and application deployment problems through various logical/physical tiers such as ATO Internet Security Framework, application clusters, database clusters and mainframe. I actively participated in managing ATO Disaster Recovery (DR) sites by ensuring ATO critical applications are in synchronization with production sites. I conducted regular DR application deployments. Furthermore I have been also involved in assisting various project teams in efforts to migrate and consolidate NT4 based and EDC applications to IDC and MME environments.

I actively involved in the re-development of DSE Change Management system (RFC) using Microsoft .Net Studio 2005, ASP.Net/C#.

Development Tools

Operating Systems: Win2000 and Win2003 Server, IBM PC Compatible, IBM Mainframe, ITIL.

Development Methodology and Modeling Tools: Visio, Microsoft Solutions Framework (MSF).

Software: MS VS.Net 05, Application Center, Microsoft Operations Manager (MOM), VMWare, Active Directory, MS SQL server, IBM DB2, Microsoft Internet Security and Acceleration Server (ISA).

DEST (Canberra)

May 2005 – Jan 2006

Senior Developer / Technical Mentor (Contractor)

I was actively involved in the integration of CASPA (DEST's central administrative system of several Commonwealth education programs) and TYIMS with SAP (an Enterprise Resource Planning system or ERP) via web service interface. The CASPA is a legacy, distributed Visual Basic application which sends payments (with annual budget of few billion dollars) to SAP for processing. I have developed a generic, COM Callable wrapper (CCW) in C# to facilitate CASPA to SAP communication via Web services.

I assumed a leading role in the development of DEST Tender Management System (TMS) using C# / WinForm within Visual Studio 2003. I worked closely with power users and stakeholders to analyze and develop a technically feasible solution via Rapid Application Development methodology (RAD). I was also actively involved in System Risk Analysis in attempts to ensure that the technical solution meets business needs during development life-cycle and system deliverables are delivered on schedule. I also used Microsoft Application Block for User Interface Process v2 (UIP) to expedite the ASP.Net / Winform application developments.

Development Tools

Operating Systems: WIN2003 Server, IBM PC Compatible

Development Methodology and Modeling Tools: Visio, Microsoft Solutions Framework (MSF).

Software: MS VS.Net 05 (Whidbey Beta1), MS VS.Net 2003 (C++.Net, C#, VB.Net, ASP.Net), Simple Object Access Protocol (SOAP), XML (XML serialization & schema validation), MS SQL Enterprise Edition V8.0 (Full-text search engine), MS Reporting Services, MS Visio (UML Modeller).

AMP Capital Investors (Sydney)

Dec 2004– May 2005

Senior Developer / Technical Mentor (Contractor)

I actively participated in the design and development of AMP Content Management software (S2 Portal Framework – Heavily influenced by DotnetNuke Technologies) .I utilized The AMP Content Management software, Microsoft SQL server Full-Text search engine and Microsoft Reporting Services to enable Business Partners to develop and author contents of AMP Intranet Portals. I was also responsible for development of an automated build and migration tool using Subversion and Nant.

I was working in the team of 6 developers. I am responsible for the design and implementation of project infrastructure such as Document Search engine, Web services and Data Access Layer. I was also responsible for the construction of BizTalk 2004 orchestration to process financial data from Bloomberg.com and Lotus Notes extracts (using Notes scripts), and display***** the AMPCI intranet portal.

Development Tools

Operating Systems: WIN2003 Server, IBM PC Compatible

Development Methodology and Modeling Tools: Visio, Microsoft Solutions Framework (MSF).

Software: MS Biztalk 2004, MS VS.Net 05 (Whidbey Beta1), MS VS.Net 2003 (C++.Net, C#, VB.Net, ASP.Net), Simple Object Access Protocol (SOAP), XML (XML serialization & schema validation), MS SQL Enterprise Edition V8.0 (Full-text search engine), MS Reporting Services, MS Visio (UML Modeller), Subversion (an open-source version control system), Active Directory, IBM Lotus Notes.

DEST (Canberra)

Apr 2004 – Dec 2004

Senior Developer / Technical Mentor (Contractor)

I assumed an active role in the design and implementation of DEST's Higher Education Information Management System (HEIMS) using Microsoft .Net/ASP.Net/C#. HEIMS was developed and implemented by DEST in consultation with universities and other relevant stakeholders. It is a web-based (ASP.Net) system comprising student, financial, program management, and statistical modules and a mix of public and private information to be used mainly by institutions, students, and DEST staff.

I developed DEST web services infrastructure which employs Windows service, Microsoft MSMQ, .Net remoting to provide a highly scalable framework. I also developed generic Windows and Java-based test harnesses to test web services. I was responsible for the development of DEST's generic web server controls such as DataEntryGrid control, DestDataList controls to facilitate an ASP.Net's Rapid Application Development (RAD).

I also developed an automated build and deployment tool to assist HEIMS application deployments to various environments such as Integration, Acceptance and Production staging. I was involved with the development of Going To Uni portal which utilizes Microsoft Content Management Server 2002. I developed templates and web controls to assist the development of web pages.

Development Tools

Operating Systems: WIN2000 Professional, IBM PC Compatible

Software: MS Visual Studio.Net (C++.Net, C#, ASP.Net), Simple Object Access Protocol (SOAP) , XML (XML serialization & schema validation), MS SQL 2002 Enterprise Edition, MS Visio (UML Modeller), MSMQ, Microsoft Content Management Server 2002 (MCMS).

DEWR (Canberra)

July 2002 – Apr 2004

Infrastructure Architect / Developer/ Technical Lead (Contractor)

Assumed a leading role in the design and implementation of the Department's Enterprise infrastructure (MCIA) using Microsoft .Net framework, and the re-development of DEWR Integrated Employment Systems (IES). The MCIA middle-ware framework is designed to facilitate rapid development of Winform and browser-based applications, web services, middle-tier business and data access components. I developed generic DB2 and SQL host adaptors to provide a common data access layer to all DEWR applications.

I developed a SOAP extension module (as part of Web Services gateway framework) to

- Serialize and de-serialize web service method calls (including in & out parameters) between separate web tiers (WSG & generic web tier).
- Incorporate DEWR's customized security implementation (Active Directory, Department Principal and Identity).

I was also responsible for the implementation of a C# class library (as a plug-in component to DEWR ESI framework) to support Distributed Transaction management (COM+) for various back end systems (CICS DB2, MS SQL, BizTalk) via IBM DRDA (Distributed Relational Data Architecture) / HIS (Host Integration Server).

I was actively involved in the analysis of business requirements and the design of DEWR business components with DEWR Policy staff during project initiation phase. I developed object collaboration and use case diagrams, and constructed UML class diagrams using Simply Objects (an Object Modelling tool) under the influence of Process MeNtOR. . The Process MeNtOR is the Object Oriented Development Methodology licensed by DEWR for the purpose of implementing ESC3 components. I was also responsible for the creation of business domain model and user specifications using the Simply Object tool, and conducting specification reviews prior to the project construction phase.

I developed a library of ASP.Net server components (such as Web form Tab control) and DEWR's Winform custom controls (eg DEWR data-bound ListView, Wizard custom control, DEWR reporting control) to leverage presentation tier developments which involve ASP.Net and smart clients.

I worked as a technical lead of a team of four developers, responsible for the design and development of EA3000 (formerly known as IES, EA2000) key presentation components such as claim and contract management using the Department Smart Client and ASP.Net frameworks.

Development Tools

Operating Systems: WIN2000 Professional, Mainframe (CICS, DB2)

Hardware: IBM Mainframe, IBM PC Compatible

Object Oriented Methodology and Modeling Tools: ProcessMentor, Simply Objects.

Software: MS Visual Studio.Net (C++.Net, C#, VB.Net), Crystal Reports v.8, Simple Object Access Protocol (SOAP) , XML (XML serialization & schema validation), COM+, Host Integration Server and COM Transaction Integrator (COMTI), MS SQL 2000 Enterprise Edition, MS Visio and Simply Objects (UML Modeller).

DEST (Canberra)

Sep 2001 – June 2002

Technical Architect / Developer (Contractor)

Assumed an active role in implementing ASP-HTML to ASP-XML-XSLT conversion for TYIMS project. Developed a XSLT transformation library of common templates to facilitate rapid conversion of existing TYIMS web pages (ASPs). XML data compression and transformation

techniques (XSLT) managed to “shrink” the web pages by up to 80%, and resulted in impressive performance improvement.

I used WinForm/C#/VB.Net to re-develop system utilities such as Migration tool, and Internet Client/Web server interface using HTTP (replaced WININET with .Net Namespaces such as System.Net). The migration tool manages and coordinates all aspects of Web site deployment; it retrieves and compiles all web modules (XSLT, VB files), then migrates to MTS runtime environment. Furthermore the .Net or managed migration tool references existing COMs (such as Microsoft SourceSafe Type Library, COM+ Admin Type library) to manage software version control and MTS packages.

Development Tools

Operating Systems: Unix, IBM Mainframe, WIN2000, .Net framework

Hardware: IBM PC Compatible

Development methodology: Rapid Application development (RAD)

Software: MS VS.Net (Beta 1, 2, RCs and Released Enterprise V1.0), MS Visual Studio 6.0, XML & XSLT parsers, Internet Information Server (IIS 4.0, 5.0), Microsoft Windows Distributed Internet Application Architecture (Visual Interdev 6.0, Visual Basic 6.0, ASP, JavaScript, VBScript, DHTML, COM/DCOM), ADO, SQL Server 7.0 Enterprise Edition).

ATO (Canberra)

Apr 2001 – Sep 2001

Technical Architect / Developer (Contractor)

Assumed a leading role in the re-design and implementing CWMS (Correspondence Work Flow Management Systems) to support the Australian Tax Office Enterprise Architecture, and its main focus of web-enabled application deployment. I used Object Orientated Development Process (OODP) to redesign and replace CWMS's VB object model with loosely coupled object model that represents separate tiers (Enterprise infrastructure, Application server, and application presentation) of the Enterprise architecture.

I used XML, XSL/XSLT, and DOM extensively in CWMS project to facilitate data communication amongst VB object layers. CWMS application attribute objects are serialized and de-serialized into well-formed XML.

Development Tools

Operating Systems: Unix, IBM Mainframe, WINNT

Hardware: IBM PC Compatible

Development methodology: Object Oriented Development Process (OODP)

Software: MS Visual Studio 6.0, XML, Internet Information Server (IIS 4.0, 5.0), Microsoft Windows Distributed Internet Application Architecture (Visual Interdev 6.0, Visual Basic 6.0, ASP, JavaScript, VBScript, DHTML, COM/DCOM), ADO, SQL Server 7.0 Enterprise Edition).

DETYA (Canberra)

Apr 2000 – Apr 2001

Web Architect / Developer (Contractor)

Assumed a leading role in designing and developing Training and Youth Internet Management System (TYIMS) - a world class internet e-business system and thereby support the Training and Youth programmes for all stakeholders (DETYA National Office staff, New Apprenticeship Center (NAC) operators, state office staff and Centrelink staff).

Development Tools

Operating Systems: Unix, IBM Mainframe, WIN2000 and Win98

Hardware: IBM PC Compatible

Development methodology: Rapid Application development (RAD)

Software: MS Visual Studio 6.0, XML, Internet Information Server (IIS 4.0, 5.0), Microsoft Windows Distributed Internet Application Architecture (Visual Interdev 6.0, Visual Basic 6.0, ASP, JavaScript, VBScript, DHTML, COM/DCOM, COM+), ADO, SQL Server 7.0 Enterprise Edition and OLAP Services).

DETYA/DEWRB (Canberra)

Jul 1998 – Apr 2000

Web Architect / Developer (Contractor)

Assumed a leading role in designing and developing a number of Web-based applications. Responsibilities included:

- Actively participated in the design and implementation of Data warehouse solutions using Prism (IBM OS/390 & IBM DB2) and Microsoft SQL Server 7.0 data warehousing Framework. Developed Data Transformation Service (DTS) packages using ActiveX Scripting.
- Assumed overall responsibility to deliver a high performance system to top executives (Department Secretary, Division, and Branch heads).

Developed front-end scripts (DHTML, JavaScript, VBScript), Business objects (Visual Basic ActiveX DLLs) to achieve high level of application partitioning, a library stored procedures (Transact-SQL), and Data Transformation Services (DTS) packages to transform SAP extracts (Human Resources & Finance) and other data sources into corporate data warehouse.

Development Tools

Operating Systems: UNIX, IBM Mainframe, WINNT 4.0 and Win95

Hardware: IBM PC Compatible, IBM Mainframe (OS/390 v2.6)

Development methodology: Rapid Application development (RAD)

Software: MS Visual Studio 6.0, Internet Information Server 4.0, Microsoft Windows Distributed Internet Application Architecture (Visual Interdev 6.0, Visual Basic 6.0, ASP, JavaScript, VBScript, DHTML, COM/DCOM, Microsoft Transaction Server(MTS), ADO, SQL Server 7.0 Enterprise Edition and OLAP Services), PRISM (COBOL) and BRIO.

ACTEW (Canberra)

Apr 1997 – Jul 1998

Technical Architect / Application Developer (Contractor)

Assumed a leading role in the National Electricity Market (NEM) Project. Responsibilities included:

- Redesign and implement the development environment, which encompasses the technical infrastructure and ACTEW's visual component library. Designed and implemented the Security and Application Menu Shell as OLE automation servers;
- Re-designed and enhanced a number of ACTEW application suites to meet the reformed National Electricity Market requirements;
- Developed a local Intranet that facilitates project document browsing and in-house project schedules. Using Microsoft Internet Information Server (v.3), FrontPage 97, ASP and Microsoft SQL Server (v 6.5).

Development Tools

Operating Systems: Unix, WINNT 4.0 and Win95

Hardware: IBM PC Compatible, SUN

Development methodology: Rapid Application development (RAD)

Software: Borland Delphi Enterprise (Client/ Server 3.x), MS Visual Interdev (1.0), IIS 3.0

DEPARTMENT OF DEFENCE (Canberra)

Jun 1996 – Mar 1997

Technical Architect / Application Developer (Contractor)

Assume a leading role in the Defence Local Codification development project. Have designed and implemented the application infrastructure components such as Security Server and RDBMS Session Manager (which are OLE automation servers). Most importantly, design and implement the Item Characteristics Reply Engine as a separate Dynamic Link Library (DLL) that involves parsing and compiling sophisticated Defence Item Characteristics Data requirements and replies respectively. Responsible for developing number of Back-end stored procedures using ORACLE 7.3 PL/SQL.

Actively involved in redesigning the Defense Supply System Database model. ORACLE Designer/2000 has been employed to retrofit the Database schema as well as Entity Relationship diagrams, and to define and construct a standard set of form templates, which are used for System prototyping and performance benchmarking.

Development Tools

Operating Systems: Unix, WINNT 4.0 and Win95

Hardware: IBM PC Compatible, SUN

Development methodology: Rapid Application development (RAD)

Software: Borland Delphi Enterprise (Client/ Server V3.0), ORACLE RDBMS 7.3 and tool set (PL/SQL, Designer / 2000 v***** ORACLE Enterprise Manager), IIS 3.0 and MS Visual Interdev (1.0), Borland J Builder.

MINCOM (Brisbane)

Dec 1995 - June 1996

Technical Research Engineer, Member of Systems Infrastructure team.

Responsible for the Front-end re-engineering of MIMS (an existing Three-tier Client Server systems solution) using Borland Delphi. MIMS is an integrated capital intensive management systems that manages operations, works, maintenance, materials, Finances, and Human Resources.

Major tasks involve designing and developing a set of application frameworks and facilities which includes specialized MIMS-aware Components, templates. Removed Borland BDE / IDAPI engine from VCL (Visual Component Library), and introduced MIMCOM internal buffering and data navigation in order to establish Front - Middleware - Back-end communication. Enhanced the Transport layer (a set of C/C++ DLLs) to cater for the new FrontEnd.

Development Tools

Operating Systems: Unix, IBM, Digital, MS-Windows 3.1, and WINNT (3.5) and Win95

Hardware: IBM PC Compatible, SUN

Development methodology: Mincom Application development methodology

Software: Microsoft Visual C/C++/SDK, Visual Basic (V4 & 5), Access , Borland Delphi (V1.x and V2.0), IIS 3.0 and Microsoft InterDev (Beta), ORACLE RDBMS v7.3 and toolset (PL/SQL and Designer/2000 v.1.3), Symantec CAFÉ.

CONTINUUM (Sydney)

Aug 1995 - Dec 1995

Contractor.

Took part in the enhancement of the Superannuation Administration System (SAS) and the conversion of Galaxy (AMP Superannuation systems) to SAS. Worked in a team of 10 members, reported to Project Manager.

Development Tools

Operating Systems: MS-Windows 3.11

Hardware: IBM PC Compatible

Software: R & R Report writer, MS C Compiler, Btrieve File Manager, Novell 4.0, PVCS.

CSC Australia (Sydney)

Jun 1993 - Aug 1995

Rejoined CSC as a Senior Analyst / Programmer.

Responsibilities: Seconded to the NSW Department of Health, responsible for the enhancement of the MBIL system (Hospital Billing System includes Account Receivable and General Ledger). Designed and implemented the Blood Lead Level Detection System for Broken Hill Hospital.

Development Tools

Operating Systems : MS-DOS, MS-Windows 3.1, WINNT (3.5)

Hardware: IBM PC Compatible

Development methodology: Catalyst

Software: Delphi (1.0), PowerBuilder (V4.0), Visual C++, MS SQL Server (V 4.21.0), Paradox for Windows, Btrieve and Novell LAN.

MICROPAY (Sydney)

Jun 1992 - Apr 1993

Analyst / Programmer

Responsibilities: Design and enhancement of MICROPAY Payroll and Human Resource systems. Developed Data transfer module that performs the data exchange between MICROPAY products and NSW State Superannuation Board. Worked in a team of 5 and reported to Technical Director.

Development Tools

Operating Systems: MS-DOS, MS-Windows

Hardware: IBM PC Compatible

Software: MS C/C++, In-House File Manager.

GALILEO (Sydney)

Jun 1990 - Jun 1992

Analyst Programmer.

Responsibilities: Enhanced and supported the AS5000 software which is a computerized travel product information and reservation systems developed jointly by a consortium of major world airline.

Development Tools

Operating Systems: MS-DOS, MS-Windows

Hardware: IBM PC Compatible

Software: MS C/C++, Pascal, Novell LAN, AS5000 Database Manager.

CSC Australia (Sydney)

Dec 1988 - Jun 1990

Programmer

Responsibilities: Participated in the development of an Agent Commission System (ONTRACK).

Development Tools

Operating Systems: MS-DOS

Hardware: IBM P/S 2

Software: MS C, Novell LAN, Btrieve File Manager.

The AMP Society (Sydney)

Dec 1987 - Dec 1988

Trainee Programmer

Responsibilities: Took part in the development and implementation of Sales Unit Management Systems (SUMS). SUMS was designed to assist agents in selling a wide range of insurance products such as Life, Super, Investment. Worked in a team of 5 and reported to Project manager.

Development Tools

Operating Systems: MS-DOS

Hardware: IBM P/S 2

Software: MS C, Novell LAN, Btrieve File Manager.

PROFESSIONAL DEVELOPMENT

TECHNICAL

Structured Programming Techniques, In-House (CSC), 1988

Travel Software Development, UNISYS, 1990

Intensive C++ training at Macquarie University, Sydney 1994

Four Week intensive Power Builder training at PowerSoft International, North Sydney, 1995.

Microsoft PDC 2008, LA, California, America.

Microsoft Build Windows in September 2011 in Anaheim California, America.

Microsoft Build Windows in June 2013 in San Francisco California, America.

BUSINESS

AMP Insurance products, In-House (AMP) 1988.

SAS training (2 days), CONTINUUM 1995.

REFEREES

Mr Eric Wu
Technical Lead
DEEWR
Tel 6121-8747

Mr Russell Clinch
Technical Team Lead
AEC
Tel: *****

Mr Lalit Gautum
Technical Team Lead
Accenture
Tel: *****

Mr Jason Leung
Agile Delivery Manager
Accenture
Tel: *****

Mr Steven Pavlovic
Senior Developer
Accenture
Tel: *****