CURRICULUM VITAE

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PROFESSIONAL EXPERIENCE

Mar 2011 – Present

Solution Architect/Team Lead

Corporate Applications

Department of Education, Training and Employment (DETE)

Brisbane

Roles/Responsibilities:

- Solution architecture, design and development of the School Budget Module application; an application to facilitate the budgeting process at all state schools throughout Queensland.
- Lead a team of developers and business analysts in the development of the School Budget Module application.
- Scheduling of project tasks, ongoing tracking of progress and reporting to management.
- Produce documentation including Business Requirements Specification, Systems Requirement Specification and Logical/Physical Architecture Specifications.
- Quality assurance of the developed solution.

Nov 2011 – Mar 2012

Solution Architect

Solution Architecture Group

Department of Education and Training (DET)

Brisbane

Roles/Responsibilities:

- Solution architecture, design and development for the OneFramework Authentication solution; providing federated authentication services to applications that support WS-Federation protocol and SAML tokens.
- Integration with third party authentication components and services, including Tivoli Federated Identity Manager and Tivoli Directory Server.
- Liaise with application owners and support staff regarding their use of the authentication solution.
- Presentations to staff regarding the usages and benefits of the authentication framework.
- Liaise with internal Identity and Access Management staff for endorsement of the architecture and design of the authentication framework.
- Liaise with third party resources for the design and development of the necessary components to support the authentication framework.

May 2011 – Nov 2011

Application Architect

ABR

Australian Taxation Office (ATO)

Brisbane

Roles/Responsibilities:

- Design of application services.
- Liaise with business in regards to as-is vs to-be application functionality.
- Management and tracking of tasks and issues.
- Provide guidance to developers in technical aspects of the application.
- Liaise with various teams in the project in order to deliver outcomes and resolutions on architectural matters of the application.
- Review of application code base and architecture.
- Produce application documentation such as high level designs and service descriptions.

Oct 2010 – April 2011

Team Lead/Technical Architect

Software Governance Group

Department of Education and Training (DET)

Brisbane

Roles/Responsibilities:

- Application architecture for OneFramework project.
- Design and development of application development framework using .NET 4.0 and Enterprise Library 5.0.
- Consult with development teams within the department in usage of the framework and application development best practices.
- Design and development of application security component to provide integrated authentication and authorisation functionality to enterprise applications.
- Authoring of development guidelines and coding standards documentation.
- Provide mentoring and knowledge transfer to junior staff members.

Jun 2009 – Oct 2010

Lead Developer

OneSchool - Timetabling

Department of Education and Training (DET)

Brisbane

Roles/Responsibilities:

- Analysis of options and provide recommendation to upper management regarding the use of technologies required to deliver the timetabling solution.
- Design and development of feature rich Timetabling solution written using Silverlight 3 and

WCF.

- Liaise with business subject matter experts in the analysis of requirements.
- Development of a prototype application used to communicate the proposed application design to business stakeholders across the state.
- Creation of patterns and guidelines for application development.
- Oversee the development activities of the technical team in the production of the Silverlight application.
- Prioritisation and estimation of work items.

February 2008 – Jun 2009

Senior Developer

OneSchool

Department of Education and Training (DET)

Brisbane

Roles/Responsibilities:

- Application architecture for OneSchool application.
- Design/development of authentication and authorisation module to provide secure access to highly sensitive OneSchool application.
- Gather requirements from business subject matter experts and formulate design documents.
- Development of highly available and performant ASP.NET web application utilised across Queensland by all state schools.
- Liaise with various teams across DET, including Identity and Access Management and DET .NET Framework team.
- Quality assurance.
- Provide technical expertise to a team of developers and development of recommended patterns and guidelines.

April 2007 – Jan 2008

Application Architect

Technical Architecture and Planning Unit

Department of Education, Training and the Arts (DETA)

Brisbane

Roles/Responsibilities:

- Review documentation and provide feedback to major projects within the department in regards to technical requirements and solutions.
- Contribute to solution architecture of the OneSchool project, the department's foremost IT investment.
- Lead designer/analyst in DETA .NET Framework 3.0 project, providing an application framework for the department's .NET solutions. Tasks included:
    - Leading a team of developers throughout the project and providing guidance in

development tasks.

- Producing design documentation for each component of the framework.
- Developing, testing and quality reviewing of C# code.
- Producing developer guideline documentation and C# coding standards.
- Presenting a number of workshops to .NET developers in the new features provided in the DETA .NET Framework 3.0.
- Liaising with groups within the department in order to ensure the strategic direction of the application framework and integration of various components, in particular identity management capabilities.

Sep 2006 – April 2007

Senior Developer/Analyst

OneSchool Project

Department of Education, Training and the Arts (DETA)

Brisbane

Roles/Responsibilities:

- Senior Developer/Analyst for OneSchool Project, a project run by DETA to provide a web application (OneSchool) for use in schools throughout Queensland to aid in student management, behaviour management and reporting.
- Formulation of design documents.
- Design and development of the security module for the application, including single sign-on functionality.
- Design and development of various modules used in the application.
- Provide guidance to a team of developers in the use of the DETA .NET Framework as well as quality assurance against documented standards and best practices.

Jul 2005 – Sep 2006

Lead Developer

Information Management Services Branch

Department of Education, Training and the Arts

Brisbane

Roles/Responsibilities:

- Lead Developer for Grants and Allowances Payments System (GAPS), a financial application used to pay over $2 billion per year in grant money to schools, students and various external organizations.
  - Gathering of requirements from business team and other internal groups in relation to enhancements to GAPS.
  - Design, development and implementation of business functionality.
  - Task prioritisation, co-ordination and delegation for GAPS support team.
  - Liaise with external companies to discuss services that can be utilised by GAPS application, including Commonwealth Bank, QM and MapPoint.
  - Co-ordination of user acceptance testing for scheduled releases of GAPS

application.

- Migration of GAPS application releases.

Jul 2000 – Jul 2005

Senior Developer

Information Management Services Branch

Department of Education, Training and the Arts

Brisbane

Roles/Responsibilities:

- DETA Technical Team Leader for Learning Place System.
  - Provided direction and guidance to team members from Fujitsu on Learning Place Administration System (LPAS) Project.
  - Provided quality assurance against documented standards and best practices.
  - Development of various modules of LPAS application.
  - Integrated LPAS with a number of external systems to provide users with Online Learning environment.
  - Provided support and ongoing enhancements for LPAS application.
- Team member on DETA .NET Framework Development Team.
  - Designed and developed security module for .NET Framework.
- Team member on Oracle Web Applications Group.
  - Designed and developed the web search engine.

Jan 2000 – Jul 2000

Programmer

SAP Development Support

Queensland Rail

Brisbane

Roles/Responsibilities (cont'd):

- ABAP developer for QR SAP system.

TERTIARY EDUCATION

1996–1999 University of Southern Queensland, Toowoomba

- Bachelor of Information Technology
- Bachelor of Business majoring in Marketing.

Result achieved: GPA of 6.29

SKILLS

Design	Object modeling
	Class diagrams
	Data modeling
	Workflow
	User Interface
Development Environments	.NET (1.0, 1.1, 2.0, 3.0, 3.5, 4.0)
Development Languages	C#
	VB.NET
	T-SQL
	PL/SQL
Web Technologies	ASP.NET
	MVC
	Silverlight
	Web Services
	WCF
	IIS
	HTML
	XML
	CSS
Security	WIF
Data	SQL Server 2000, 2005 and 2008
	Oracle 9i and 10g
Scripting	Javascript
	JQuery
Microsoft Packages	Word, Outlook, Excel, Visio, MS Project

REFEREES

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Solution Design and Assurance Manager
HRMIS
Department of Education and Training
Ph: (07) 3405 3252

Mr Michael Maclean
Program Manager
OneSchool
Department of Education and Training
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