

ANDREW McLACHLAN

PROFILE

- Qualified (BSc (Hons), MCPD) C# .NET technical lead with over 14 years' post-graduate experience
- Experience leading small development teams
- Experience in Insurance, Automotive services, Consulting, Media, Classified Advertising and Finance
- Self-motivated, with experience working alone and in teams of all sizes

KEY SKILLS

C# 7, .NET Framework 4.6 and .NET Core 2.0
ASP.NET MVC, ASP.NET Core, WCF, Web API
JavaScript, TypeScript, ReactJS, Redux, Webpack
CSS 3, HTML 5, Responsive Design
Entity Framework, LINQ, ADO.NET
WPF, Windows Forms, Windows Services

VSTest, xUnit, nUnit and SOAPUI
Designing Software Architecture
Agile (Scrum) using TFS and JIRA
Sitecore 8
SQL Server (T-SQL, SSIS, MDS)
Octopus Deploy, TeamCity, TFS and Bamboo

KEY ACHIEVEMENTS

- At RACQ, improved developer practices, DevOps (CI/CD, operations monitoring), documentation and reduced technical debt
- Delivered a brand-new website for RACQ, focussing on Insurance Quoting and the customer portal
- Created a shop-floor task management system for Qantas's Brisbane catering centre
- Developed, from scratch, a new, fully customisable customer portal for sgfleet

EXPERIENCE

Feature Team Lead and Technical Lead, RACQ (Contract)

Mar 2014 - Present

- Developed functionality for the redesigned RACQ public website (www.racq.com.au)
- Feature team lead (Scrum master) and digital team release manager for self-service enhancements project, with a team of ten
- Technical lead for online Insurance Quoting, covering UI, API, ESB and interfacing with the Guidewire back-end policy system with a team of six
- Initiated improvements to development processes, working with developers and testers to define documentation and unit testing standards
- Developed REST APIs and WCF services to support Sitecore UI for customer self-service, member join, online claims
- Created new Sitecore components for RACQ Bank
- Developed new tools to automate parts of Octopus Deploy, and aggregated monitoring tools into a single Operations dashboard
- Created tools for scripting and managing Master Data Services and a WPF tool for comparing MDS instances
- Technologies: C#, Web API, WCF, Sitecore 8, ReactJS, MVC, MSMQ, SQL Server Master Data Services, SOAPUI, AWS

Software Engineer, Queensland Government (DHPW) (Contract)

Jan 2014 - Mar 2014

- Upgraded multiple .NET projects (versions 1 through 3.5) to .NET 4.5.1 / VS 2013
- Improved the automated build and deploy process and standardised across all projects
- Replaced third party library references with latest NuGet packages and updated the code to use them

Software Engineer, Fujitsu Australia Software Technology (Contract)**Apr 2013 - Nov 2013**

- Developed a shop-floor application for the new Qantas catering centre in Brisbane
- Created a complex algorithm for demand-based work scheduling
- Technologies: C#, MVC, SQL Server, SSIS, IBM MQ, MSMQ, REST web services, Telerik Kendo UI, KnockoutJS

Software Engineer, sgfleet (Contract)**Apr 2012 - Apr 2013**

- Designed and developed the Fleetintelligence web portal
- Co-developed SSO, end-to-end security solution using Windows Identity Foundation (WIF) & Thinkecture Identity Server
- Designed using Service Orientated Architecture principles. Pluggable framework supporting multiple data sources and dashboard configurations
- Technologies: C#, MVC, SQL Server, WCF (including WS-Federation), Active Directory Lightweight Directory Services (AD LDS), Managed Extensibility Framework (MEF), Entity Framework, Highcharts (JS charts), JIRA integration, Twitter Bootstrap, jQuery, MS Build, nAnt, Jenkins
- Developed company-wide common libraries, packaged and deployed with NuGet
- Responsible for maintaining the application architecture and ensuring design coherence across a team of five developers
- Fleetintelligence "one of the biggest contributing factors" in winning very large fleet management contract

Software Engineer, Fairfax Media (Contract)**Oct 2011 - Mar 2012**

- Delivered new functionality for the Drive (www.drive.com.au) automotive classifieds site (C#, MVC, WCF, SQL Server, Google AdWords)
- Created a tool to automatically enable and disable Google ad campaigns based on stock levels
- Redeveloped home page and advanced search

Senior Web Developer, Carlson Marketing (Contract)**May 2011 - Sep 2011**

- Business as Usual support and upgrades to the Matrix system for managing reward schemes (Commonwealth Bank, TAB, Bendigo Bank, Qantas, Virgin Australia) (C#, ASP.NET, SQL Server, Data warehousing)
- Developed new functionality, upgraded existing systems, fixed production bugs

Software Engineer, Reed Business Information (Contract)**May 2010 - Apr 2011**

- Migration of Estates Gazette Propertylink (www.egpropertylink.com) website to a new platform (C#, ASP.NET, SQL Server)
- Designed and built data migration package using SQL Server Integration Services (SSIS)
- Re-architected the back-end geographical data system for location-based searching

Technology Consultant and Developer, Chello Publishing (Freelance)**Jan 2010 - Apr 2011**

- Developed www.carbsandcals.com (C#, MVC, SQL Server) including a full e-commerce solution with PayPal integration and an administration / reporting site (has since migrated to WordPress)
- Designed and developed the award winning* Carbs & Cals iPhone app (Objective-C)
- Responsible for all aspects of the project, including contracts, requirements gathering, writing functional specifications, technical design, development, test and delivery

Software Engineer, London Underground (Contract)**Dec 2009 - Apr 2010**

- Designed and developed the train allocation system for depots (C#, ASP.NET, SQL Server)
- Responsible for designing software architecture, services and interfaces and web UI/layout
- Developed robust service layer for periodic data transfers to other LU systems using MSMQ and WCF

Software Engineer, Wildnet Group (Contract)**Sep 2008 - Oct 2009**

- Web developer for the Torus Insurance front office quote system (C#, ASP.NET, SQL Server)
- Performed server configuration/deployment and provided live system support
- Designed, developed and documented the source control branching scheme and build / deployment process

Senior Software Engineer, Priocept Ltd**Dec 2006 - Aug 2008**

- Technical lead and developer for the London Stock Exchange corporate website (C#, ASP.NET)
 - Redesigned and implemented the build and deployment process (Cruise Control.NET, MSBuild, nAnt)
- Senior developer for the London Stock Exchange's Regulatory News Service (RNS) project
 - Designed and developed the customer-facing web UI (C#, ASP.NET)

Developer, Ascent Media Group PLC

Feb 2005 - Dec 2006

- Designed, developed and tested a robust, distributed service for the management and delivery of digital assets
- Responsible for the training and supervision of a new developer
- Defined coding standards, best practices, managed versioning and source control

Software Engineer, Accenture PLC

Jan 2003 - Jan 2005

- Developer on a number of client and internal projects for Accenture Technology Solutions
- Primarily on-site at UBS Investment Bank, developing a web UI portal for the Hedge Fund services division
- Trained other developers and managed their workloads
- Proposed and architected oversight development of a new departmental intranet site

Programmer/Web Developer for Zurich Insurance

Sep 2000 - Sep 2001

PROJECTS

Octopus Notify. A system tray notification app for Octopus Deploy. Source available at <https://github.com/AndrewMcLachlan/OctopusNotify>

EDUCATION AND QUALIFICATIONS

2014 **Sitecore Certified .NET Developer**

2008 **Microsoft Certified Professional Developer**
Designing and Developing Enterprise Applications for .NET 2.0

2007 - 2009 **Microsoft Certified Technology Specialist**
.NET 3.5 Windows Communication Foundation (WCF)
SQL Server 2005 Implementation and Maintenance
.NET 2.0 Distributed Applications Development
.NET 2.0 Web-based Client Development
.NET 2.0 Windows-based Client Development

2004 **Sun Certified Business Component Developer (including SCJP 1.4)**

2002 **BSc (Hons) Computer Science, Upper Second Class**
University of Portsmouth, accredited by the British Computer Society

REFERENCES

Available on request