

ANDREW MCLACHLAN

PROFILE

- Qualified (BSc (Hons), MCPD) C# .NET technical lead with over 16 years' post-graduate experience
- Experience leading small development teams
- Proven track record of delivery
- Experience in Consulting, Insurance, Automotive services, Media, Classified Advertising and Finance
- Self-motivated, with experience working alone and in teams of all sizes

KEY SKILLS

Management of development teams

Azure PaaS Architecture

C#, .NET 6 and below

TypeScript, ReactJS

ASP.NET Core, ASP.NET MVC, REST APIs

CSS / SASS, Responsive Design

Entity Framework, LINQ, ADO.NET

WPF, Windows Forms, Windows Services

xUnit, SpecFlow

Agile (Scrum) using JIRA and TFS

Sitecore 9 and below

SQL Server (T-SQL, SSIS, MDS)

Octopus Deploy, TeamCity

KEY ACHIEVEMENTS

- Delivered a suite of new applications for Laing O'Rourke, managing a team of 16 developers
- Designed a cloud-native architecture based on Azure Platform-as-a-Service (PaaS)
- At RACQ, improved developer practices, DevOps (CI/CD, operations monitoring), documentation and reduced technical debt
- Delivered the Safer Buildings website for the QLD state government, meeting very tight deadlines
- Delivered a brand-new website for RACQ, focusing on Insurance Quoting and the customer portal
- Developed, from scratch, a new, fully customisable customer portal for sgfleet

EXPERIENCE

Application Development Manager, Laing O'Rourke

May 2019 – Present

- Built and managed a team of 16 developers
- Architected and delivered a programme of 10 web applications plus shared services (Azure, ReactJS, TypeScript, .NET Core)
- Designed an integration architecture using Azure Service Bus and Event Grid
- Built DevOps capability with GitHub, TeamCity, Octopus Deploy and Infrastructure-as-Code for Azure
- Defined and implemented strategy for Security, High Availability and Disaster Recovery in Azure
- Instituted new development standards and ways of working (code standards, Scrum, definition of done)
- Worked with colleagues in the UK to define new global standards leading to adoption of GitHub and Auth0

Senior Software Engineer, Tatts Group / Tabcorp (Contract)

Feb 2019 – May 2019

- Working with the lotteries terminal team to implement new retail features (C#, WPF, SQL Server)

Sitecore Specialist, 4impact (Contract)

Jan 2018 – Dec 2018

- Built a Sitecore foundation platform based on Helix architecture (C#, MVC, Sitecore 9, Azure)
- Developed the Safer Buildings website for the Dept. of Housing and Public Works (QLD) (www.saferbuildings.qld.gov.au)
- Provided Sitecore consultancy services to a number of clients, including Sitecore upgrades, infrastructure and sales material

Feature Team Lead and Technical Lead, 4impact - RACQ (Contract) **Mar 2014 – Dec 2017**

- Developed functionality for the redesigned RACQ public website (www.racq.com.au)
- Scrum master and digital release manager for self-service enhancements project, with a team of ten
- Technical lead for online Insurance Quoting, covering UI, API and back-end integration with a team of six
- Initiated improvements to development processes, documentation and unit testing standards
- Developed REST Microservices and WCF services to support Sitecore UI for customer self-service, member join, online claims
- Developed new tools to automate Octopus Deploy, and aggregated monitoring tools into a single Operations dashboard
- 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**

- DevOps improvements and multi-project .NET version upgrade

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

- Developed a shop-floor application for the new Qantas catering centre in Brisbane (C#, MVC, SQL Server, KnockoutJS)
- Created a complex algorithm for demand-based work scheduling

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

- Designed and developed the Fleetintelligence web portal (C#, MVC, SQL Server)
- Co-developed SSO, end-to-end security solution using Windows Identity Foundation (WIF) & Thinkecture Identity Server
- Responsible for maintaining the application architecture and ensuring design coherence across a team of five developers

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

- Delivered new functionality for the Drive 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)

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**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

Developer, Ascent Media Group**Feb 2005 - Dec 2006**

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

Software Engineer, Accenture**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
- Proposed and architected oversight development of a new departmental intranet site

Programmer/Web Developer, 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

2018	Professional Scrum Master Level 1 (PSM-1)
2018	Sitecore 9.0 Certified Platform Associate Developer
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