**William McAinsh**

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Experienced Senior IT Professional who thrives on providing creative, forward thinking solutions and managing complex large scale development and infrastructure projects with a very hands-on leadership approach.

Comfortable communicating at all levels with both colleagues and external contacts, I take particular enjoyment in working with customers and colleagues to identify new technologies and solutions that enrich the user experience.

**EXPERIENCE**

**REACTEC LTD**

**Software Project Manager / Lead Developer July 2014 - Present**

*Employed as part of a strategy to bring the development of core company solutions back in-house. Initially tasked with completion and launch of a ground breaking health & safety solution, which has been a major success. I am now responsible for the entire cloud platform and suite of applications provided by Reactec.*

**Key technologies used:**

ASP.net\*, ASP.net MVC\*, ASP.net Web API\*, Entity Framework\*, SQL, Identity Server, Xamarin, WPF, StructureMap, AutoFac, MS DevOps, Scrum, CI/CD, Git, jQuery, Bootstrap, HTML5, CSS, LESS,

Photoshop, Illustrator, Moqups, In-Design, Premier Pro,

Azure (VM’s, SQL, Web Apps, Functions, Message Queues, Storage, Recovery Services)

*\* Denotes both full version and .net core versions*

**Projects and Role:**

* Worked with outsourced development house to ensure the smooth transition back in-house of a complex solution comprising an ASP.net MVC application, several windows service applications and ASP.net Web API’s. After the transition, the partially completed project was finished and released on schedule.
* Migrated cloud solution from Rackspace to Microsoft Azure, with zero downtime.
* Continual enhancement of the core solution in line with business and technical requirements. Managing the backlog with the product manager, organising team sprints and coordinating deployments.
* Currently transitioning the core application from a monolithic architecture to a microservice orientated solution, allowing greater flexibility for scaling and management while reducing costs.
* Managed the full development lifecycle of multiple software projects:
  + Implemented Web API’s to service various PC and mobile applications, secured using Identity Server (OpenID, OAuth2).
  + Mobile app built with Xamarin that communicates with hardware devices using Bluetooth LE and shares information across Web API’s.
  + Two PC apps built with WPF, utilising MVVM architecture, that access Web API’s and communicate with various RFID devices.
  + Asp.net MVC project tracking application for internal use.
  + Asp.net MVC web application to track the vibration levels of thousands of power tools.
* Championed best practices for in-house development processes, e.g. introduced Scrum methodology, specification requirements, coding standards, continuous integration, continuous deployment, automated testing and version control.
* Coach team members to use current technologies, methods and tools.
* Full responsibility of the cloud team including recruitment, reviews, training plans and performance management.

**CASTLE LEISURE GROUP**

**CIO 2005 - 2014**

*Primary focus was to continually assess the role of IT in the organisation and identify processes that could be improved by the provision of software and / or hardware solutions.*

*During this period, I delivered numerous software packages and infrastructure improvements to assist the various departments, taking ownership of the full life cycle for each project while working to time constraints and budgets. Despite the title, this was very much a hands on role, with 50% of my time dedicated to coding.*

**Key technologies used:**

ASP.net, ASP.net MVC, Entity Framework, SQL, jQuery, Bootstrap, SDLC, Prince2, ITIL, Subversion,

Hyper-V, VMWare, VirtualBox, IIS, Exchange, SharePoint, Windows Server NT -> 2012,

Photoshop, Illustrator, In-Design,

Azure (VM’s, SQL, Web Apps)

**Projects and Role:**

* Provide strategy, management and leadership to advance technology utilisation and effectiveness across all business functions.
* Increase the availability of relevant information to all employees whilst simultaneously streamlining business processes and reducing costs.
* Smoothly transitioned new venue acquisitions onto CLG systems.
* Expanded the company intranet with focus on functionality, content and accessibility.
* Project managed multiple software development initiatives, hardware upgrades and installs with minimal impact to business continuity.
  + Developed several intranet applications to streamline internal processes and provide business critical dashboards in real time. These are used by management and directors on a daily basis to track performance and empower them to make key business decisions.
  + Designed, built and implemented a bespoke content management system. Providing management with instant marketing control, this included a table reservation and deposit management system, a guest list booking package and a recruitment process management system.
  + Designed a software interface between MenuLink T&A and Earnie Payroll software packages; this has removed numerous manual processes, reducing payroll workload by 30%.
  + Planned and executed in-house server virtualisation program resulting in over 60% less physical servers, reduced maintenance costs, lowered power consumption and an improved backup process.
  + Implemented a Virtual Desktop Infrastructure (VDI) solution in our flagship venue which provided substantial cost savings on both maintenance costs (75% less site visits) and power consumption (60% less than comparable thick client venue).
  + Planned, budgeted and managed the IT, EPOS and communications requirements of several large scale multi-million new build projects from concept to completion, providing full solution including supplier management, network infrastructure, hardware and systems installation and employee training.
* Reviewing business processes across each department.
* Planning, managing and implementing appropriate solutions whilst communicating with department heads and directors.
* Management and motivation of the development and infrastructure teams.
* Overall responsibility for the communications and IT infrastructure.
* Continually explore potential cost saving opportunities arising from advances in technology and communications, ensuring that the group continues to be recognised as a leader in the use of IT in the hospitality industry.

**IT Manager 1998 – 2005**

*This period within CLG was focussed on developing the network and communications infrastructure, providing a solid stable platform that would allow for the rapid expansion of the company.*

* Initially tasked with infrastructure and systems management, which quickly developed to include project planning and delivery during business expansion.
* Business systems analysis and provision of IT strategy.
* Head of dept. responsible for IT, communications, multimedia, and marketing across the group including complete budgetary responsibility.
* Employee recruitment, appraisals and training.
* Department and business performance monitoring.
* Planning and management of several large scale installations as part of a major expansion, including co-ordinating suppliers, contractors, and employees to complete key tasks whilst adhering to tight deadlines and budgets.
* Utilise the most progressive communications technologies to ensure all locations and key staff are permanently networked, providing instant communications across multiple mediums for all employees.
  + Designed, specified and implemented a multi-location VOIP voice network resulting in annual savings of over 75%.

**Graphic / Web Designer 1994 – 1998**

Initially started with CLG as a graphic designer responsible for publishing a 64 page fanzine every 6 weeks. This quickly progressed into web design and development, with CLG being the first hospitality group in the region with an online presence.

**QUALIFICATIONS**

* MCSE – Cloud Platform and Infrastructure
* MCSD – Azure Solutions Architect
* Prince2 Practitioner.
* ITIL V3 Foundation Level.
* MCITP:
  + MCSA - Windows Server 2008.
  + MCTS - Windows Server 2008 Network Infrastructure.
  + MCTS - Windows 7, Configuration.
  + MCTS - Windows Server 2008 Active Directory.
* Splicecom and MenuLink Certified Installer.
* I have regularly attended both technical and management courses when available during the course of my career. (Full details can be provided if required).

**RECOGNITION**

* Reactec – Employee of the year 2017 and 2018, this award is voted for by all employees based on who has made the most significant contribution to the business.

**ONLINE PROFILE**

* [LinkedIn](http://LinkedIn) - [www.linkedin.com/in/william-mcainsh](http://www.linkedin.com/in/william-mcainsh)

**VOLUNTEER WORK**

* Volunteer coach for Falkirk Football Community Foundation