

MARK A. MIDDLETON

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EMPLOYMENT

Contract Software Engineer (Somerset County Council) 2019 – 3 months

- Engaged with the client in partnership with Reed Consultancy +
- Contracted in to help deliver Azure based software solutions for a new green field project.
- Technologies used; Azure App Service, Redis, Azure SQL, C#, jQuery, HTML5, CSS, .NET 4.7

Contract Software Engineer (Berkshire Cloud Ltd) 2019 – 3 months

- Contracted in to help deliver large scale cloud-based enterprise solutions for global business partners.
- Technologies used; Azure App Service, Redis, Azure SQL, C#, jQuery, HTML5, CSS, .NET Core 2.0

Software Development Manager (Claims Consortium Group) 2017 – 2019

- Promoted into the development manager position within the organisation to help shape the future of agile working practices and oversee day to day activities.
- Accountable for overall company software quality, delivery, scope and velocity.
- Implemented pair programming and TDD to compliment the agile processes and improve coverage and quality.
- Implemented points-based estimation and a Kanban style approach to development for a more accurate reflection of velocity and continuous improvement.
- Introduced S.O.L.I.D design principles into the development process to improve quality, encourage extensibility and overall quality.

Lead Developer (Claims Consortium Group)

2015 – 2017

- Promoted into a leadership role within the organisation to manage and further develop the team's expertise in software design, principles and implementation.
- Accountable for code quality, velocity, standards and adherence within the team.
- Worked with the wider team in delivering a more Agile approach in development.
- Responsible for managing an agile (Scrum/Kanban) team with varied experience to deliver high quality, viable commercial products.

Product Lead/Senior Developer (Claims Consortium Group)

2013 – 2015

Key Contributions:

- Design, develop and implement the client facing web interfaces using the latest platforms and technologies. (MVC, ASP.net, Entity Framework, Azure)
- Identified key technologies and platforms to best deliver manageable, scalable and reliable solutions.
- Acted as a technical evangelist for cloud platform development advising of best practice and available solutions (Azure, Amazon S3, Google CP)
- Mobile App development (Java AS, ECL).

Role Technologies & Competencies:

- MVC, WEB API, WCF and ASP.net
- Entity Framework & SQL Server platform development
- Cloud computing and provisioning design
- Source Control (SVN/TFS/VSTS) with Agile SCRUM/KANBAN methodologies

Becatech Systems Ltd (Now Sentinel), Cheddar, Somerset, BS27 3DR**Lead/Principle Software Engineer**

2007 – 2013

Key Contributions:

- Instrumental in developing, implementing and managing the latest version of the company's core product for corporate public clients throughout the UK.
- Headed up the design of four new security systems, facilitating the integration of core products into existing client solutions.
- Identified several business opportunities to expand products giving added value to existing client's investments.

- Created the company's development policies and procedures that governed the development process, personal achievements, role responsibilities, and progress reporting.
- Developed curriculum to facilitate training for management and employees and supervised the daily activities of the research and development team.
- Streamlined several internal data acquisition systems to increase productivity by improving the quality of the information available.
- Merged several legacy systems into new frameworks, migrating them from older platforms and languages to maximise life cycle and ROI.
- Authored numerous ISO 9001/27001 procedures and policies to support engineering operations, participating in regular audits to ensure regulatory compliance.
- Camera security control and monitoring software for critical national infrastructure protection implementing RS-232/422/485, UDP and TCP communication protocols over long range Wi-Fi networks. (Pelco D-P).
- Configuration control and monitoring software for a purpose built global CNI and government protection systems.
- Architecture, Design and implementation of the core RTOS powering several bespoke hardware platforms for and Homeland Security, US military and Australian Crimes Commission.
- Architecture, Design and implementation of several user facing web/mobile and desktop platforms at scale with strict regulatory adherences and timescales.
- Managed an agile team through a difficult MBO and acquisition process.

Role Technologies & Competencies

- Embedded platform architecture, design and implementation.
- Embedded interface modelling for control, monitoring
- Large scale, highly secure software platforms for government and CNI organisations.

Home Based/Self Employed

Web/Software Consultant

2005 – 2007

Key Contributions:

- Sub-contracted to established professional IT solution providers, offering guidance and support in expanding their business portfolio.
- Aided clients in producing a definitive requirement analysis and submitted the associated quotes to complete the works required.

- Increased business opportunities by expanding expertise into software and web development platforms.
- Created and supported several web applications for local and commercial businesses.
- Highlighted several business opportunities to expand on existing service offerings and support packages.
- Created the company's price policies and procedures to ensure ROI and future client investments.
- Created several in-house data driven solutions for exposure to client relational information and to improve productivity.

Technology Experience

CORE TECHNOLOGIES/SKILLS: .NET Solution Design; Embedded Architecture Code Implementation; Business Impact Analysis; Regulatory Adherence; Contingency Planning; Research & Development; Risk Assessment; Cost Benefits Analysis.

HIGH LEVEL Platform Experience: Microsoft Windows® operating systems from XP through to Windows 10 on desktop and Windows® Server 2003 through to 2016 on server platforms.

LOW LEVEL Platform Experience: Custom Built Embedded RTOS architectures (Targeting Atmel/PIC MCU Family), Android 2.2 through 7.0.

Languages: VB.NET, C#.NET, Embedded C/C++, HTML, CSS, Java-script, Java (Android), XML, CLASSIC ASP, ASP.NET, T-MySQL, T-SQL, SQL, LINQ to SQL.

Environments: VS2005 – 2019, SSMS 2005-2014, Perforce SRM, IIS6-8, P-Notepad V2.x, Atmel AVR Studio (Versions 4-5)).

Source Control: TFS, VSTS, SVN, GIT

Cloud Services: Azure Platform Including; App Service (Web Apps/API Apps), RaaS, Service Bus, Logic Apps, Azure SQL, Elastic Pools, ARM Templating, CI/CD Pipelines, Monitor, Service Fabric, Data Factory, AS Insights, VMs (PaaS & IaaS), Front Door, VPN, DNS, NSGs, Cognitive Services, ML, Gateways, Blob Storage (FS, Tables & Queues), Kubernetes

Frameworks/Components Exposure: .NET 2.0, 3.5, 4.0, 4.5, 4.7; Android 2.2, 3.0, 4.0, 5.1, 7.0; AVR MCU 16, 88, 128, 256 and 2560 Families. Entity Framework, MVC, WPF, WCF, ASP.NET, MVVM, REST, WEB API, NET Core, Ninject IOC Container