

Mark Sweeney – Experienced Senior Developer

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<https://www.linkedin.com/in/marksweney/>**Profile Summary**

A senior solutions developer with over 20 year's commercial IT experience. Excellent analysis, design and development skills, with a history of successful projects. Self-starter, able to work independently or as part of a team to deliver quality solutions to aggressive time-scales.

- Strong full-stack development experience in C# / T-SQL / JavaScript
- Extensive experience with Microsoft development technologies
- Cloud computing experience with Azure and AWS
- Strong written and verbal communication skills
- Proven analysis and design skills.
- Practical experience of agile development methodologies Scrum and Kanban in large-scale, complex, enterprise environments
- Keen proponent of TDD/BDD
- Practical experience of CI/CD
- Committed to ongoing learning

Summary of Experience

Organisation	Role	Dates
Equifax	Contract Senior Developer	June 2019 to present
Eon	Contract Senior Developer	May 2018 to May 2019
Sainsbury's Retail & Logistics	Contract Senior Developer	Feb 2018 to May
Eon	Contract Senior Developer	July 2016 to Feb 2018
The Communication Challenge	Contract Lead Developer	May 2016 to June 2016
Intercede	Contract Senior Developer	July 2013 to May 2016
Microlise	Contract Senior Developer	Feb 2013 to July
Melville Exhibitions	Contract Senior Developer	Sep 2012 to Feb 2013
Sports Direct	Contract Senior Developer	April 2012 to September
Centrica	Contract Senior Developer	June 2010 to April 2012
Gala	Contract Lead Developer	Jan 2006 to May 2010
Union Square	Contract Senior Developer	Oct 2005 to Jan 2005
Gala	Contract Senior Developer	May 2005 to October
KPMG	Lead Developer	2001 to 2005
FOL Networks	Senior Developer	2000 to 2001
Formation Software	Developer	1993 to 2000

Qualifications & Accreditations

AWS Certified Cloud Practitioner

Microsoft Certified Solution Developer

M.Phil. Image processing & Pattern recognition, De Montfort University 1993

HND Computer Studies, Manchester Polytechnic, 1990

Technical Skills**Methodologies:**

Scrum, Kanban, Waterfall

Technologies:

.Net Core / Framework: C#, MVC, WCF, Webforms, Classic ASP, WPF.

AWS: S3 & SQS SDK.

Azure: Service Bus, Service Fabric, Cloud Services, Blob Storage.

SQL: MSSQL T-SQL, Oracle PL-SQL.

NoSQL: MongoDB

JavaScript: es2015, Knockout.js, AngularJS, jQuery.

Html/CSS: HTML5, Bootstrap, Less.

Messaging: RabbitMQ, Mass Transit, Azure Service Bus, AWS SQS, Oracle AQ, webMethods Universal Messaging.

BDD: SpecFlow, Gauge.

TDD: MSTest, NUnit, Moq, Karma/Mocha/Chai/Sinon.

SCM: Bitbucket, Github, Git, MSTSVN, VSS.

CI/CD: Jenkins, Octopus Deploy, CruiseControl, TeamCity, AppVeyor.

IOC: Unity, Ninject.

ORM: Entity Framework, NHibernate, Dapper, PetaPoco.

Agile tools: Jira, Mingle, Targetprocess, TFS

Employment History

June 2019 to present – TDX Group / Equifax

Role: Contract Senior Developer

TDX Group helps businesses manage collections, recoveries, debt sale and personal insolvencies. They have developed a suite of applications in a variety of Microsoft technologies over a period of 15 years. These applications need to be migrated to the AWS cloud.

Some applications output files; in the legacy world these are written to disk; in the cloud these will be written to S3. Other applications ingest files by monitoring a given folder and processing files as they appear. In the cloud this will be achieved by deploying micro-services that monitor SQS for events triggered by new files arriving in S3; the file is then fetched from S3 and dropped into the local folder that the application is monitoring.

My role included:

- Developing an API to abstract away the details of writing to S3. This allows the legacy applications to write to S3 with minimal modification.
- Developing micro-services to monitor SQS and fetch files from S3.
- Enhancements to legacy applications.

Responsibilities

Develop code to meet defined quality standards.
Develop unit tests to ensure adequate code coverage.
Develop integration tests in Gauge.
Work closely with the product owner to refine requirements.
Adhere to the Agile development framework.
Create CI/CD pipelines in Jenkins/Octopus Deploy.

Skills used

C#, AWS S3 & SQS SDKs, AWS API, AngularJS, MVC, Webforms, WCF, MSSQL, Jenkins, Octopus, Bitbucket, Ninject, Entity Framework, Dapper, Redis, NUnit, Moq, Powershell.

May 2018 to May 2019 - Eon

Role: Contract Senior Developer

Implementation of *CMA Database Remedy*; an Ofgem regulatory project to identify customers who have been on a default tariff for 3+ years. These customers can then be targeted to offer them cheaper tariffs. The project used a microservices architecture hosted in Service Fabric and using Mass Transit over RabbitMQ as the message broker and MongoDB as the document store. TFS was used for source code management, build pipeline, planning, tracking and reporting. The project

has over 130 services spread across 12 solutions with an expectation of around 200,000,000 events being processed per week.

Responsibilities

- Work closely with the architect to refine the overall micro-service design.
- Communicate the design to the other members of the development and test teams.
- Coordinate the effort of the other developers.
- Develop code to meet defined quality standards.
- Develop unit tests to ensure adequate code coverage.
- Develop integration tests.
- Develop an integration test framework for Specflow.
- Adhere to the Agile development framework.

Skills used

C#, MVC Web API, MongoDB, Azure Service Fabric, MassTransit, TFS, SpecFlow, AWS S3.

February 2018 to May 2018 – Sainsbury's Retail & Logistics

Role: Contract Senior Developer

Enhancements to *DriveTime* - an application for managing online shopping delivery driver shifts and *PlanIt* – an application for estimating delivery vehicle requirements based on store order volume.

Responsibilities

- Gather requirements and refine.
- Develop code to meet defined quality standards.
- Develop unit tests.
- Adhere to the Agile development framework.
- Knowledge transfer to new starters.

Skills used

C#, MVC, WCF, AngularJS, Knockout.js, Github, AppVeyor, webMethods Universal Messaging, es2015, babel, webpack, less, MS-Test, Karma/Mocha/Chai/Sinon.

July 2016 to February 2018 - Eon

Role: Contract Senior Developer

Implemented the Legal Case Management (LCM) system - a cloud-based solution for debt management. Implemented Fair Payment Outcomes (FPO) – an NxBRE based system for analyzing customer payment behaviour to provide indicators of financial vulnerability. Implemented the Meter Operation / Data collection (MOPDC) enhancements project; this is a WPF/WCF application that manages Meter Ops / Data Collection contracts.

Responsibilities

- Gather requirements and refine.
- Develop code to meet defined quality standards.
- Develop unit tests.
- Adhere to the Agile development framework.

Skills used

C#, WCF, MVC, WPF, Oracle PL-SQL, Azure cloud services (WebJobs, Web Roles, Worker Roles, ServiceBus, Blob store, Scheduler), PowerShell, Oracle AQ, RabbitMQ, NxBRE

May 2016 to July 2016 – The Communication Challenge

Role: Contract Lead Developer

This is a client I have worked with for over ten years on a part-time basis. I am responsible for design, development and support for a classic asp web application that manages HR feedback questionnaires. This project involved the successful migration of the legacy web application to Azure and an investigation of the options for modernization to make the site more mobile-friendly.

Responsibilities

Migration of existing site to Azure.
Analysis of existing site and evaluation of options for modernization.
Design and build of proof of concept.

Skills used

Azure IaaS, MVC, Angular2, TypeScript, Bootstrap3, Gulp.

July 2013 to May 2016 – Intercede

Role: Contract Senior Developer

Intercede's *MyID* identity management product consists of a back-end system (com/sql), a number of core and custom WCF web services and a variety of web, desktop and mobile clients. My role was to develop new WCF services and enhance existing ones. Skills used: C#, WCF, Classic ASP, T-SQL, JavaScript, AngularJS, Bootstrap, Xml/Xslt, MSTest, Jenkins, Agile, Jira, SVN. Gained an understanding of Public Key Infrastructure.

February 2013 to July 2013 – Microlise

Role: Contract Senior Developer

The role involved enhancements to an existing MVC web application that manages vehicle tracking. Skills used: C#, MVC, T-SQL, WCF, jQuery, Bootstrap, PetaPoco, AMCharts, Telerik controls, CruiseControl, SVN, Agile, Jira, Targetprocess.

September 2012 to February 2013 – Melville Exhibitions and Event Services

Role: Contract Senior Developer

Designed and implemented of an MVC application for vetting visitors to security services events. Skills used: C#, MVC, T-SQL, jQuery, Entity Framework, Webforms, Ninject, Commidea ICP, SVN, MSTest.

March 2012 to September 2012 – Sports Direct

Role: Contract Senior Developer

Migration of existing e-commerce site to DotNetNuke. Skills used: C#, Webforms, T-SQL, Knockout.js, jQuery, Commerce Server, DotNetNuke, Entity Framework, Datacash integration.

June 2010 to March 2012 – Centrica

Role: Contract Senior Developer

Migration of legacy classic ASP website to MVC, implementation of an MVC application to manage Smart meters. Skills used: C#, MVC, webforms, classic ASP, T-SQL, MSRS, MSIS, JavaScript, NHibernate, TeamCity, Unity IoC, MSTest, JUnit, Agile, Mingle.

January 2006 to May 2010 – Gala

Role: Contract Lead Developer

Designed and implemented a website to manage ticket sales and winnings allocation for linked bingo. Lead a team of five developers. Skills used: C#, webforms, T-SQL, JavaScript, Ajax, Telerik controls, Crystal reports.

October 2005 to Jan 2006 – Union Square

Role: Contract Senior Developer

Enhancements to existing classic ASP website. Skills used: T-SQL, Classic ASP, JavaScript, XML.

May 2005 to October 2005 – Gala

Role: Contract Senior Developer

Enhancements to legacy casino management system. Skills used: VB6, Crystal Reports, T-SQL, DTS.

2001 to 2005 – KPMG

Role: Lead Developer (Permanent)

2000 to 2001 – FOL Networks

Role: Senior Developer (Permanent)

1993 to 2000 – Formation Software

Role: Developer (Permanent)