Curriculum Vitae

Gareth Owen Evans

Contact Details

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**Summary**

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| I’m currently studying part-time for a MSc in Cyber Security at Glyndŵr University, Wrexham.  This is 1 day a week (Tuesday up until Jan 14th, then Thursdays after Jan 14th).  I’m able to put the course on hold but would ideally like to keep studying, if possible. |

**Availability**: November 2019

**Core Skills**:

* **Clouds** – AWS
* **Configuration Management** – Puppet, Ansible, Powershell DSC
* **Development Environment Management** – Vagrant,
* **Image Creation** - Packer
* **Continuous Integration** – BuildKite, TeamCity, Jenkins and Bamboo,
* **Deployment Technologies** - Octopus Deploy,
* **Containers** – Docker,
* **Infrastructure As Code** – Terraform,
* **Log Aggregation, Analysis and System Metrics** – Seq, ElasticSearch, Logstash and Kibana (ELK),
* **Message Queues** – NServiceBus, Amazon SQS, some RabbitMQ
* **Infrastructure** – Server 2008 R2, Server 2012, Server 2016, DNS, DHCP, VMWare Virtualisation, Active Directory, Group Policy Objects, TCP/IP Networking, Cisco and Cisco Meraki Routers, Switches and Security devices, Ubuntu and CentOS (a little Linux experience).
* **Documentation** – Confluence,
* **Workflow Management** – Trello, JIRA,
* **Certifications** - Amazon Web Services (AWS) – Certified Solution Architect Associate Level (expires October 2016), I plan on taking the Amazon Web Services (AWS) – Certified Solution Architect Professional Level as soon as possible.
* **Code** - C#.NET 4.5, 4.6, PowerShell, Bash,
* **Web Backend** – MVC4 and MVC5,
* **APIs** - Web.API and Attribute Routing,
* **ORM** – NHibernate with FluentNHibernate, Entity Framework,
* **Dependency Injection / IoC Containers** – Ninject, Castle.Windsor,
* **JavaScript** – AngularJS and jQuery,
* **Source Control** – Git,
* **CMS** - Umbraco v6 and v7,
* **Databases** - SQL Server 2008 R2/2012/2014 and Oracle,
* **TDD** – NUnit, Moq, Rhino.Mocks,
* **Web Frontend** – HTML5, CSS3, Bootstrap,
* **Agile** – Every contract for the past 5-6 years,
* **Miscellaneous** – Micro Services Architecture, CQRS, DDD,
* **Logging** – Log4Net, SeriLog

**Currently looking for**:

* Contract Role
* DevOps / DevSecOps / Platform Engineer / WinOps / WebOps, using:
  + AWS
  + Windows Server OS,
  + Powershell,
  + Docker,
  + Puppet
  + Ansible,
* Based in London.

Work History

**July 2019 – Present**

Large Consultancy / Large Pharmaceutical Client – London

Working with the same Consultancy since February 2019 based in London.

Migrating the clients solutions from data centre to AWS.

* AWS
* Architecture
* Terraform
* Windows
* Git

The project with this end client is finishing at the end of the year.

**May 2019 – July 2019**

Large Consultancy / Large Private Bank – London

Working with the same Consultancy since February 2019 based in London.

Parachuted in as the Windows SME for this project to help migrate solutions from Data Centre to AWS.

* AWS
* Architecture
* Terraform
* Ansible
* Windows
* Git
* Windows Certificate Authority

I was working in the same building that Ian Fleming wrote the ‘007 books in the 70’s in!

**February 2019 – May 2019 – Contract**

Large Consultancy / Finance Company – London/Cheltenham

The Consultancy is based in London and the Finance client based in Cheltenham.

Working as a team of 3 in Cheltenham and as part of a greater UK and Australian team working on the migration of legacy finance systems to AWS.

All of the solutions were legacy, mixed languages and not cloud “friendly” so this needed to be taken into consideration when we migrated the solutions, some changes to the solutions were allowed if the development teams had time to convert small parts to use parts of the AWS toolkit components eg SQS, RDS.

The second part of this project involved dealing with the clients Australian team and the Australian team from the consultancy so it made sense to hand the project over to those guys to save the 10-12 hour time difference!

* AWS
* Terraform
* Puppet
* Powershell
* Packer
* BuildKite (CI)
* Git
* Windows Servers (2012 R2)
* Active Directory
* Networking
* Solution Architecture

**August 2018 – February 2019 – Contract**

Small Consultancy / National Supermarket – Central London

I’m a member of a team of 4 and acting as a Senior/Lead DevOps Engineer on-site for a national supermarket and have been tasked with improving the solution and helping with the remaining migration from data centre to cloud.

The application used by the solution hadn’t been developed to work in any cloud (or scale for that matter) and is an on premises solution for large supermarkets. The technology the application is built in is about 10 years behind current development standards.

The code base as it currently is, has grown organically in 12-18 months and is a code monster with multiple technologies involved.

Some of the tasks I have been able to achieve:

* Improving the deployment process making it more maintainable by splitting the process up, automating the remaining manual steps, improving the error handling and generally improving the reliability of the process.
* Reducing the customers scaling time from 60 minutes+ to less than 15 minutes by using AMIs.
* Suggesting way to reduce technical debt and reducing the amount of work required to get a new update or patch delivered for testing.

Next things to do:

* Introduce a Secrets Management Server either AWS native, Hashicorp Vault or CyberArks solution.
* Resolve many of the technical debt issues the solution has.
* Remove the redundant code and technologies from the code base.

The technologies I’ve been working with

* AWS
* Terraform
* Ansible
* Jenkins
* PowerShell
* Git + GitFlow branching strategies
* Windows Servers (2012 R2)
* SQL Servers
* Active Directory
* Networking
* Solution Architecture

The solution had an issue where it would take 2 hours for any server that was scaled out to be operational….yes 2 hours! The work myself and a colleague did reduced this to < 15minutes and saved them atleast £20k+ in the first month it was in Production.

**January 2018 – July 2018 – Contract**

Bank (Small Digital Challenger) - London

I’m a member of a team of 3 and acting as a Lead DevOps Engineer at a small UK Bank.

The work is completely greenfield.

* Implementation of Puppet for Configuration Management,
  + Including writing custom modules which also use Powershell DSC.
* Use of Vagrant to spin up test environments locally to aid testing puppet scripts,
* Powershell for customisation,
* Introducing and implementing a DevOps culture within the business from my experience from other clients and businesses.
* Helping the development team deploy their code across multiple projects and solving any issues with infrastructure.

To come but didn’t happen:

* Migration from SVN to Git.
* Migration from Jenkins and Cruise Control/Go to TeamCity with multiple Build Agents as Go/Jenkins isn’t fit for purpose for their requirements,
* Automated deployments of components and the configuration of the ELK Stack,
* Implementation of Ansible and/or Terraform,
* Scripted and automated construction of the deployment stack to enable Disaster Recovery, Business Continuity and upgrade testing for:
  + TeamCity,
  + Octopus Deploy,
  + SonarQube,
  + ProGet.
* Implementing automated testing suites into the deployment pipelines.
* Packer to create VMWare Templates,
* Migration of solutions to AWS and/or Hybrid Cloud.

**December 2016 – December 2017 – Contract**

Global fashion company based in London

I’m a member of the central Platform Engineering team and one of two Platform Engineer attached to 5 .NET development teams (mixture of on-shore and off-shore).

Day to day activities can range from:

* Developing application that interact with Octopus or TeamCity APIs to automate a process that reduces devops time from 40-50 minutes down to less than 2minutes.
* Provisioning and Testing of Docker Agents to be used as TeamCity Build Agents.
  + Currently working on a Docker solution using Microsoft Build Tools 2017 and .NET core.
* Provisioning new Build Agents and Tentacles with the correct toolsets installed.
* Working with the developments teams to build their deployment pipelines with the final goal of Continuous Deployment (CD) to Production multiple times in a day.
* Creating or extending the company documentation around,
  + Naming Conventions,
  + Solution/Project Architecture,
  + Network Architecture,
  + User Guides,
  + Process documentation,
  + Best/Recommend Practices.
* Creation of new Octopus Deploy Step Templates or scripts using PowerShell.
* Root Cause Analysis of build and deployment issues.
* Analysis of deployment processes built by developers or other Platform Engineers making sure they conform to Company Conventions and Standards before they are used.
* Being the go-to person for Solution Architecture, CI and DevOps issues and queries.
* Working with other technical teams to come up with a solution to issues or helping with company wide infrastructure issues eg Ransomware precautions.

Working with:

* TeamCity
* Octopus Deploy
* Docker
* Powershell
* Windows Server 2008 R2, 2012, 2012 R2
* Agile Practices
* Microsoft Azure
* .NET Framework 4.6+
* C# 5/6
* MS Build / Build Tools 2017
* VMWare vCloud
* Chef
* Git / TFS
* Active Directory
* Atlassian Confluence
* SQL Server
* Git
* VSTS

**August 2016 – December 2016 – Contract**

DSi a small consultancy based in the North West

A small consultancy working for a global legal client in Liverpool acting as a Technical Analyst and Solutions Architect.

Not a hands on role but the role required somebody with extensive experience with Microsoft technologies, servers, networks, solution development and architecture.

The role was to help the client stabilise and enhance a solution developed by an external third party.

Working with:

* Amazon Web Services
* Azure
  + Azure Active Directory
  + Azure Application Proxy
* SQL
* Microsoft Servers
* VMWare ESXi

**April 2016 – August 2016 – Permanent**

Digital Agency based in Liverpool as a Technical Team Leader (TTL)

I was jointly responsible for the following client websites: Everton FC, Wetherspoons, NHS, Aston Villa FC and a few others.

I designed, architected and built the Everton Pre Season website then centralised the Registration and Login functions of the website into a separate web application removing the dependency on a Sitecore implementation.

This allowed users to login/register and then securely purchase a package of games that Everton streamed live at a later date.

In 4 weeks the PreSeason website handled 20k+ purchases.

PreSeason Website: <http://preseason.evertonfc.com/>

Authorisation Website: [http://auth.evertonfc.com](http://auth.evertonfc.com/)

Working with:

* Solution Architecture
* Amazon Web Services (AWS),
* Sitecore,
* Umbraco 7+,
* SagePay APIs,
* Web frontend technologies – HTML, CSS, Bootstrap, JavaScript/jQuery
* MVC5,
* Web.API / RESTful,
* Windows Servers,
* Bamboo (CI)
* IIS,
* JIRA,
* Unit Testing – Nunit

**March 2015 – December 2015 – Contract**

Benenden Healthcare based in York

The same client as June 2014 – Feb 2015 but on a different project.

Working with:

* Web frontend technologies – HTML, CSS, Bootstrap, JavaScript/jQuery
* MVC5,
* AngularJS,
* Web.API / RESTful,
* Windows Servers,
* TeamCity,
* IIS.

The project involved building a bespoke web application (MVC5 + AngularJS) that consumed the central API that was started in October 2014. The API was expanded to cover another line of business application and database, to handle OAuth token management and the end points provided by BUPA.

The application required Windows Authentication to access but a roles based permission systems held externally to Active Directory. The Membership/Role system had its own separate management UI. The application has now become an internal suite of web based software that has been rolled out to the entire Call Centre to use.

I acted as Technical Architect / Lead Developer on the projects I worked on.

**February 2015 – March 2015 – Paternity Leave**

Home 

**October 2014** – Amazon Web Services (AWS) Certified Solutions Architect.

**June 2014 – February 2015 – Contract**

Benenden Healthcare in York

I was brought in by this client to help rescue a project due to the poor performance of a contractor who was still on site. This contractor had spent 3 month developing a web based portal and it still wasn’t finished. I managed to get the project finished and it went live on time. The decision was made to rewrite the project from the ground up once it had gone live.

The rewrite took 35-40 days to complete and fixed all of the security issues and bugs that were in the original project.

Work then started on a central API that will be used by other internal and external applications to communicate with other line of business systems.

TeamCity and Octopus Deploy were used to build and deploy the project to the environment.

* C#
* MVC4
* Web frontend technologies – HTML, CSS, Bootstrap, JavaScript/jQuery
* Umbraco 6 (6.1.6 and latest)
* Octopus Deploy
* TeamCity
* Git
* Agile
* NHibernate
* NUnit – TDD
* Web.API + Attribute Routing
* AngularJS

I acted as Technical Architect / Lead Developer on the projects I worked on.

**March 2014 – June 2014 – Direct / Ad-Hoc**

Digital Agency based in Cambridge.

* Umbraco v4
* IIS
* Server 2008 R2
* Web frontend technologies – HTML, CSS
* SQL 2008 R2
* Amazon Web Services (AWS)
* Git

**March 2014 – October 2014 – Contract**

Brand42 - Digital Agency based in London.

* Web frontend technologies – HTML, CSS, Bootstrap, JavaScript/jQuery
* Umbraco v4
* IIS
* Server 2008 R2
* SQL 2008 R2
* Amazon Web Services (AWS)
* Git and Mercurial

**February 2014 – March 2014 – Contract**

Page and Moy, Nationwide Travel Group in Leicester.

* C#.NET
* Web frontend technologies – HTML, CSS, Bootstrap, JavaScript/jQuery
* MVC4
* Team City
* MSBuild
* Umbraco 6.x
* IIS 7.5
* Git
* SQL Server 2012

**August 2013 – February 2014 – Contract**

Reckitt Benckiser, Global Digital Agency based in Manchester

* C#.NET
* Web frontend technologies – HTML, CSS
* Umbraco 4.x / 6.x
* MVC4
* Team City
* MSBuild
* IIS 7.5
* Git
* SQL Server 2008 R2
* SQL Server 2012
* Load Balanced Server Environments
* Microsoft Azure
* Amazon Web Services (AWS)

I worked on websites for many large global brands including one that was handling 1million+ hits per day over the Christmas period on the Amazon Web Services EC2 infrastructure. The amount of traffic at the time was causing issues with the load balanced on-premise servers so I moved the website to EC2 on the 23rd of December. Within 24 hours the website performance had improved and the traffic to the on-premise servers had returned to normal.

**May 2013 – September 2013 – Contract (Direct)**

Creative Company based in MediaCityUK, Manchester

* C#.NET 4.5
* MVC4
* Server 2008 R2
* WCF
* Certificate Services
* IIS 7.5
* MS SQL 2008 / 2012

Working on an educational web based system which controlled a light, sound and video system. I worked on the licensing section which used RSA encryption and setup the server that the licensing system runs on.

**May 2013** – I am now a Certified Umbraco Level 2 Developer

**April 2013 – May 2013 – Contract**

SteinIAS, a Digital Agency based in Macclesfield

* Umbraco
* C#.NET
* SQL Server
* ASP.NET

Working on Umbraco websites:

* http://steinias.com/
* http://www.canopy-cloud.com/
* http://www.thecakefreshnesslab.com/en-gb/ (Also multi language)

A short contract as the agency’s Umbraco resource had left and they needed a contract Umbraco developer in the interim until their new permanent Umbraco developer started. The work here involved picking up a lot of the unfinished work from the previous developer.

**January 2013 – April 2013 – Contract**

Charity Organisation based in Liverpool.

* C# .NET 4.0
* Web frontend technologies – HTML, CSS
* Umbraco with heavy user control customisation.
* WCF
* nUnit Unit Testing
* ASP.NET Web Forms.
* MS SQL
* IIS 7.5
* Server 2008 R2
* Deployment, management and support of live websites.

**July 2012 – January 2013 - Contract**

Chester County Council

* C#.NET 2.0 – 4.0
* Web frontend technologies – HTML, CSS
* ASP.NET WebForms
* SQL Server 2005/2008
* Xml
* jQuery
* Web Accessibility
* WCF
* Umbraco 4.8
* MVC3/4 (attempting to get them to use newer technologies!)
* Unit Testing (nUnit)

**March and November 2012 – Two short contracts**

Global Financial Transaction Company – unable to name due to Non Disclosure Agreement.

System implementation is now being used by 2 x UK Banks and 2 x US Financial Customers.

System used WCF and involved setup and configuration of IIS 7.5 and Certificate Authority.

System has been through 2-3 rounds of penetration testing.

**March 2012 – July 2012 - Contract**

A national insurance company based in Birkenhead on a Data Migration Project.

* SQL Server 2005
* Excel
* Dynamics CRM 2011 (minimal exposure)
* C# 4.0
* Linq
* MVC3/4
* Web frontend technologies – HTML, CSS
* Xml
* Web Services
* LinqPad
* Mercurial
* TeamCity
* Microsoft Server 2008 R2
* MSBuild
* nUnit / TDD

**October 2011 – March 2012 - Contract**

C# Software Developer for a global law firm in central Liverpool.

Technologies used:

* Agile working environment
* MVVM (Model-View-ViewModel) Software Pattern
* WPF (Windows Presentation Foundation) / Xaml
* C# .NET 4.0
* nTier
* LINQ
* SQL 2008 R2

**Removed Permanent work before October 2011.**

**Removed non-IT related work before March 2008.**

Education

**Glyndwr University**,Wrexham, United Kingdom,2019 – Present

**MSc Cyber Security (Part Time)**

Dissertation: TBC

**North East Wales Institute of Higher Education**, Wrexham, United Kingdom, 2004 - 2007

**BSc (Hons) Computer Networks** (2.1)

Dissertation: "Cisco ACL Editor and Simulator"

Welsh Secondary School – 1998-2003

Welsh Primary School 1990 - 1998

**Certifications**

**May 2013** – Certified Umbraco Level 2 Developer (Version 6)

**October 2014** – Amazon Web Services (AWS) Certified Solutions Architect

**Languages**

**Welsh / Cymraeg** – Fluent Spoken and Written