**Steven Cullum**

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Professional statement

I am a highly experienced and resourceful Technical Architect with a long and proven track record of developing, implementing and managing multiple projects across a wide variety of industries. I have an in-depth knowledge of numerous technical solutions and the ability to develop and recommend appropriate solutions for software and infrastructure. I have been involved with and have led a variety of significant projects throughout my extensive career.

Technical Skills

* Azure, IAAS, OAuth, SAML, Federation, ADFS, Distributed systems, Containers
* HyperV, VMWare, Load balancing, Routing, Messaging, Clustering, Networking, SSL, VLAN, VEEAM backup, VPN
* C# .Net / Core, MVC, JSON, JavaScript, Dynamics CRM, Entity Framework, KnockoutJs, Aurelia, C/C++, SOAP/REST, HTTP, NLB, Authentication, Azure, SaaS, WIX, Octopus Deploy, Nunit, MSMQ, MQSeries, NServicebus, VueJs
* CQRS, SOLID, DDD, TDD
* AGILE, Waterfall, Git, TFS,
* SQL Server, Windows server, Remote desktop gateway, TMG, Sophos UTM, ISA, Firewalls
* Unix/Windows

Employment History

Contract - Technical Architect / Full stack developer – Seams Ltd, Sheffield (December 2018 – October 2019)

Implemented a bespoke software solution for the utilities industry. Worked on the full stack – Dot net/Vuejs/Sql

Technical Architect - Next Plc, Leicester/Doncaster (February 2018 – December 2018)

Providing technical advice and guidelines to IT teams and management on matters of technical architecture, infrastructure and deployments.

* Producing coherent technical proposals that meets the business requirements.
* Designing and specifying medium and large software components.
* Debugging, reuse, source code management strategies and release management.
* Mentoring and guiding less experienced architects. Meeting clients face to face.
* Building relationships with technical teams and external contractors.
* Managing development of documentation to meet the business expectations.
* Architecting and designing software solutions for various problem types.
* Working on high volume transactional systems.

Technical Architect- Fortesium Consultants Ltd, London (April 2013 – February 2018)

The day to day role involved running the company corporate infrastructure, site-to-site VPN’s, Office365, virtualisation platforms etc. and investigating and prototyping new systems and ideas for a variety of clients and products we take to market.

* Responsible for transferring the existing on premise services, TFS, corporate web site, Dynamic CRM to Azure cloud hosting SaaS, with a view to moving all infrastructures to Azure IaaS
* Designed and implemented a Xamarin based mobile application to push reminders to mobile calendars secured via oAuth2
* Mentored development teams, performed code reviews and advised on best practices.
* Sourced and procured hardware and software for the business and clients.
* Implementing blockchain technologies for NHS professionals

Throughout my time with the business, I have developed knowledge of and utilise:

* .Net Core
* Block chains – Hyperledger (Fabric), Etherium,
* Docker, HyperV, VmWare, VSTS, MVC, JavaScript, Sql Server
* NServicebus, distributed systems, CQRS, DDD
* Dynamics CRM,
* Payment gateways
* Web security
* SaaS, IaaS, PaaS
* Azure

Technical Architect- The Nursing & Midwifery Council (Fortesium Consultants) April 2014 – Present

I led the redesign of the existing NMC Online website and backend services. Moving away from a custom CMS solution to a bespoke MVC .Net web application using Entity framework, Asp.Net Identity and SQL Server, the new system is built around solid design principals, making extensive use of a CQRS event sourcing and domain driven methodology.

Technical Architect- Grafton Group Plc, (Fortesium Consultants) June 2014- April 2015

I architected a generic message-distribution infrastructure for a new bespoke financial & asset management web solution for Grafton Group Plc. The system had to provide reliable, transactional delivery of thousands of messages such as assets and financial information in real time. In addition I advised the client on high availability strategies, reliable messaging, clustering and provided code reviews and mentoring for the development teams.

Technical Architect- Moss Bros Menswear, (Fortesium Consultants) January 2013- December 2013

I was responsible for designing a system to allow point of sales staff to check stock, hire outfits, reorder, and process returns. The application, an MVC.Net, SQL Entity Framework, running the DevExpress toolkit with JavaScript replaced the manual form filling process used to complete an order

Senior Technical Authority (AMS- Application Maintenance & Support)

(December 2009 – January 2013)

I was responsible for the introduction of new systems into the DWP AMS department and it was my responsibility to ensure the system met the required standards of the department. I was responsible for ensuring the system was buildable from source and documentation and for tracking any existing application issues, prior to adding the new system to the AMS datacentre.

(November 2008 – December 2009)

I implemented the brand new data centre to house the DWP applications maintenance department. Working alongside the DCIM I was directly responsible for the procurement of new hardware and future capacity of the department and datacentre was met. The end solution took less than half the allocated rack space and came in over £100K under budget.

(February 2007 – May 2008)

Brought in as a firefighter to help with a port of the existing PC codebase to IBM Mainframe with CoolGen. Implemented source control, TDD, and code reviews.

Senior Technical Authority- Department of Work & Pensions, EDS, Sheffield

(November 2002 – November 2008)

My primary role within the EDS Department of Work & Pensions account, was to design sophisticated, predominately Java based web solutions for JobcentrePlus. I was directly involved in overseeing the architectural design, development and deployment of three major new systems

* Employer Direct Online – a J2EE web portal enabling employers to place vacancies directly onto the JobCentrePlus database via a web site powered by Weblogic.
* UK European Web Portal – the web portal for EU countries to place vacancies onto the JobCentrePlus database. The portal had to provide content filtering which was achieved via custom firewall drivers embedded inside ISA.
* DWP interface to the Government Gateway authentication portal – a SAML SOAP implementation to allow the DWP to exchange data with the Government Gateway

Advanced Systems Engineer & Technical Consultant- EDS Defence, London

(November 1995 – 2002)

For EDS Defence I was primarily responsible for the design and implementation of a 2D/3D geospatial visualisation toolkit written in a combination of C/C++, Assembly. The library is cross platform running on both x86 (OpenGL) and Unix’s (XWindows) and supports 3D, networking UDP/TCP/IP, geospatial map projections, database connectivity and many other features found in a commercial grade library. The toolkit was deployed to warships, used in tornado and phantom mission planning and is still in use by NATS.

System Analyst- Magazine Marketing Company (BBC) Ltd, London

(November 1993 - November 1995)

Employed as a systems analyst for a magazine distribution company. I was responsible for the design, live support and continued development of a bespoke magazine distribution system. The system was developed using C/C++ Unix and Ingres.

Developer- Jowetts Direct Ltd, Leeds (November 1991 – November 1993)

Junior Developer- CCS Pippbrook Ltd, Leeds (June 1990 - September 1991)

Education

Hull College of Further Education, Hull (1988-1990)

* BTEC National Diploma**:** Computer Studies - Distinction

****South Holderness Secondary School, Hull**** (June 1988)

* 8 GCSEs, grade A-C, including Maths and English