**Jeff Turl**

23 Carr Manor Walk, Leeds, West Yorkshire, LS17 5DN

07736383980 jeff@jmturl.co.uk

**Personal Statement** I have over 20 years’ experience in Infrastructure roles, with the past two years being in Devops and DevSecOps, this has broadened my knowledge and skills through automation and scripting both on prem and in the cloud, these new skills compliment and build upon my strong Infrastructure skills. I have worked with both AWS and Azure cloud platforms and carried out migration from on-prem to cloud and also working in hybrid environments.

**Education** Westlands Secondary School South Devon College Open University

Torquay Torquay Milton Keynes

**Qualifications** Bachelor of Science (BSc) (Open)

Higher Education Certificate in Information Systems (Open)   
Higher Education Certificate in Mathematics and Computing (Open)

Professional Certificate in ICT Practice (Open)

Microsoft Certified Systems Administrator (MCSA)

Microsoft Certified Systems Engineer (MSCE)   
VMware Certified Professional (VCP)  
Cisco Certified Network Associate (CCNA)  
Citrix Certified Administrator (CCA)

ITILv3 Foundation  
Comptia Network+, Comptia Security+, Comptia A+, Comptia Linux+

2 A Levels, 9 GCSE’s

**Professional** The Institution of Engineering and Technology (IET)

**Memberships**

**Skills** **DevSecOps**:

* Threat, vulnerability and risk assessment of systems and applications add to risk register and propose remediation processes. Using Kali, Metasploit, Nessus, nmap, Burpsuite, Security Onion & Nipper
  + - Forensic analysis in SIEM and other tools for detailed assessment of user or machine activity
    - Security review of information lifecycle both on prem and cloud, rest, transit
    - Use automation tools (Chef/Puppet/DSC) to deploy remediation changes across the estate
    - SIEM event monitoring and eDiscovery (McAfee and Splunk)
    - Integrate security models into secure by design coding (working with developers)
    - Run and remediate using Secure Devops for Azure Toolkit

**Devops**:

* + - Implement Docker containers, and Kubernetes both on-prem and Azure Kubernetes Service
    - Use Git Hub, SVN and Bitbucket for source code management
    - Use Puppet, Chef and Microsoft DSC for configuration management of servers
    - Support Teamcity, Jenkins, Jira, Eventstore, RabbitMQ
    - Work with Octopus Deploy both on-prem and Azure
    - Centralise logging of all systems into Splunk (on-prem and cloud)
    - Powershell, Python and Ruby scripting
    - AWS: Cloudformation
    - Azure: Azure Resource Manager
    - Terraform to deploy to on-prem and AWS

**Infrastructure**:

* + - Implement, support and Upgrade VMware vSphere from 3 upto 6.7
    - Install and configure and manage Windows servers from NT4 to 2019
    - Deploy and Administer Ubuntu 14.04, 16.04 and 18.04 Servers
    - Support RHEL 6 and 7 servers
    - Microsoft Hyper-V 2012 and 2016
    - Vmware Site Recovery Manager (SRM)
    - Mange multi forest and Microsoft Active Directory Domains 2000 to 2016 forests
    - Install and Manage HP, EMC, Netapp, vSAN, Nimble and Tegile SANs
    - Work on Converged and Hyper converged infrastructure
    - Install, manage and migrate services in Azure
    - Configure AWS services Cloudfront, ELB
    - Manage HP, Dell, IBM, and Cisco server hardware in large multi organisation datacentres
    - Working within a tightly controlled ITIL, ISO 270001 and PCI environments
    - Working out of hours on critical systems including on call
    - VMware vRA support and management
    - Backup solutions Veeam, EMC, Commvault and HP
    - Manage Microsoft Exchange Servers from 2000 upto 2016
    - Support and manage Office 365 and Azure AD connect and ADFS
    - Deploy and manage OS and packages using Microsoft SCCM and Landesk
    - Implement, support and upgrade Citrix Xenapp and XenDesktop
    - System monitoring using Solarwinds, Dynatrace, SCOM, vROPS and Sensu.

**Networking**

* Manage 30 site Cisco LAN and WAN infrastructure, using MPLS, EES and services.
* Manage access layer and core switches – Catalyst and Nexus
* Support and manage Cisco Meraki cloud managed solution
* Deploy and Manage Vmware NSX
* Configure and manage Cisco MDS and Brocade Fibre Switches
* Manage Juniper, Cisco ASA and Checkpoint Firewalls
* Deploy and support HP Procurve switches
* Monitor Cisco NGIPS intrusion protection
* Install and manage Cisco WiFI solution for staff and guests using ISE
* Deploy Open Source two factor authentication systems
* F5 Load balancers AWS Application load balancers

**Collaboration**

* Manage Cisco Call Manager
* Manage Ayava IP Office
* Support Cisco Jabber
* Support Slack

**Languages**

* Powershell 5 / Powershell Core
* Python 3
* Bash
* Ruby

**Employment** Automation Systems Engineer

**History** Lowell Financial Group (Leeds) (Contract) 06/19 - Present

Contract role migrating managed datacentres, upgrade server OS and automate as much of the deployments as possible.

* Migrate Services from 2008R2 to 2016 and move datacentre provider.
* Use Octopus/Team City and Jenkins to ease migration of systems between datacentres
* Use SCCM and Powershell Scripting to streamline server deployments
* Upgrade Citrix XenApp and XenDesktop

Senior Infrastructure Engineer – Automation

Hallmark Cards International (Bradford) (Contract) 03/19 – 06/19

Contract role focusing on migrating international services back to on prem in the UK and Azure, the role was to automate and streamline and standardise services and deployment that will be managed out of the UK.

* Automate the server deployment process and migrate Windows 2008 to 2016 servers
* Deploy vxRail HCI clusters, vSphere 6.7
* Script support processes for 1st and 2nd line for routine tasks
* Deploy Horizon View for remote site clients

Senior Infrastructure Engineer – Security   
NHS Digital (Leeds) 03/18 – 02/19

DevSecOps role working to automate and script a consistent security model across services both on prem and in Azure. Actively seek and remediate security issues with live services

* Automate through Scripts (Powershell) remediation tasks
* Configure Azure Security to reduce risk to services (containers / web apps)
* Use Puppet to secure and configure Web and App servers
* Use DSC to enforce compliance of servers
* Vulnerability scanning and assessment of estate, and automate deployment of remediation tasks
* Provide security focus in Agile development of code

Senior Infrastructure Engineer – Devops

NHS Digital (Leeds) 02/17 – 03/18

Devops role working with Developers to deploy services to AWS and configuration management of hybrid environment of on prem servers, manage and support of tooling and infrastructure used to deploy the services, as well as use it to configure and deploy in a consistent IaaS environment..

* Configuration management of servers with Puppet and DSC
* Use Jenkins, terraform to deploy services to AWS
* Use Octopus to deploy to both on-prem and cloud
* Use both Cloud formation (AWS) and ARM templates to deploy to cloud
* Deploy Kubernates to manage Docker containers both on prem and cloud

Technical Consultant – Infrastructure

NHS Digital (Exeter) 06/14 – 02/17

Traditional Infrastructure role, later moving towards automation and scripting of the management of a large Windows environment, exposure to Azure and office 365.

* Manage large Windows 2008/2012/2016 server and AD environment
* Install and manage Storage arrays, Netapp, EMC, 3Par and Nimble
* Use Puppet to configure servers and deploy packages via Powershell
* Manage large vmware virtual environment, implement NSX
* Office 365 and Azure AD connect

Technical Consultant

Capita Secure Information Solutions (Exeter) 02/14 – 06/14

Project of migrating legacy servers to current versions located on prem. Migrating from physical to Hyper-V.

* Migration project for Windows 2003 servers to 2012
* Deploy server and packages using SCCM
* Configure and manage Cisco switches and routers.
* Deploy Hyper-V virtual environment

Network and Infrastructure Analyst

Torbay Council (Torquay) 05/07 – 02/14

Supporting local Windows services running on vmware. Migrate sites to new WAN links, implement new LAN and reconfigure for modern IT environment.

* Implement and manage vmware ESX/ESXi 3 / 4 and 5
* Deploy and manage Windows 2003 / 2008 and 2012 AD domain and member servers
* Upgrade and manage Cisco LAN and WAN switches and routers across 40 sites
* Manage Cisco and Juniper firewalls

Desktop Support Technician  
Devon County Council (Exeter) 02/06 – 05/07

* Support Windows 2003 domain servers and XP workstations for local collages

IT Officer

Teign Housing (Newton Abbot) 02/04 – 02/06

* Deploy and manage Windows 2003 AD domain, member servers and XP workstations
* Support Cisco Call Manager, Cisco switches, routers and firewalls
* Deploy servers and workstations using SMS/SCCM
* Implement and support Citrix Presentation server for users

Senior IT Support Engineer

Bishop Fleming Chartered Accountants (Torquay) 07/99 – 02/04

* Deploy and manage Windows 2000 AD domain, member servers and workstations across the organisation
* Migrate and manage Microsoft Exchange 5.5 to 2000
* Support Microsoft SQL and ISA Servers
* Support Netware file servers and migrate to Windows
* Implement and support Citrix Metaframe and Presentation server

**Training courses** Vmware vSphere 5 and 6.5  
CISSP  
Powershell 5  
Linux Administration  
AWS Security  
AWS Cloud Practitioner   
Python 3

Ethical Hacking