# Frank Matthew Tighe

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## Personal Statement

A Microsoft engineer with extensive hypervisor knowledge in VMware and Hyper-V. I have a high level of general technical knowledge and a background working within enterprise and services provision. Skilled at designing, developing and implementing complex solutions. A multiskilled individual well equipped to meet the demands of a fast-paced IT environment.

## Core Skills

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| --- | --- |
| * Microsoft server (2008/2012/2016) | * Azure |
| * Hyper-V server & VMware | * Office365 |
| * Exchange | * Active directory |
| * Veeam | * Networking (Cisco, Aruba, HP) |
| * Firewalls (Fortinet, Cisco ASA) | * PowerShell |
| * Multiple storage platforms (EMC Isilon/ScaleIO/3PAR storage/ S2D/ Nimble) | * IIS Farms |

## Work experience

July 2019 – Current, Symington’s LTD, Network/Infrastructure Manager (Contract)

A BAU/Project role providing technical knowledge and support to a major food manufacturer, spread over multiple sites across Leeds.

* Configuration of a new VMware 6.7 installation utilizing the new HTML 5 client
* Configuration of a new HP Nimble storage appliance
* Migration of current VMware 5.5 estate to new production VMware 6.7 estate
* Collaborating with BT on the design and implementation of new MPLS network
* Installation of a new UPS
* Planning and installation of WSUS across all sites.
* Creation of group policy
* Implementation of 2FA to all office 365 administrators
* Management Veeam environment

**Technologies used:** VMware 5.5/6.7, Microsoft server 2008/2012, HP Auruba, Active directory, Office365, PowerShell, Veeam, WatchGuard, Nimble, APC UPS, WSUS, Group Policy

June 2019 – July 2019, 121 IT Services, IT manager (Contract)

BAU/Project role providing technical architecture for presales teams and 3rd line technical support to 100+ small to medium sized businesses, and

* Act as technical escalation point for 1st and 2nd line.
* Office365 management
* Re-designed AD infrastructure in order to decommission old domain controllers
* Set up site-to-site VPN between Fortinet and Cisco firewalls.
* Added additional Veeam datastores
* Replaced Cisco small business devices with new Wartchguard firewalls
* Dealt with 3rd party vendors
* Planned Office 365 hybrid migrations.

**Technologies used:** Microsoft server 2008/2012/2016, Active directory, Fortinet, Office365, Cisco ASA, PowerShell, Veeam, Watchguard

**June 2018 – April 2019, Efficiency North (Contract)**

Assessed the current IT infrastructure of EN and suggested a total redesign of the network and working practices. Engaged and oversaw various vendors in the delivery of this project.

* Redesign of Active Directory structure creating new domain controllers and better distribution of FSMO roles
* Linked on site AD into Azure AD and their existing O365 instance
* Matched existing on prem AD accounts with existing Azure AD accounts using soft matching
* Creation of group policies
* Installation of new switching, Fortinet firewalls and dedicated fibre links
* Creation of cross-site VPN’s between sites
* Created of client VPN, integrated with AD.
* Set up DFS replication for their main file store.
* Creation of AD security policies
* Moved DHCP scopes from depreciated routers to domain controllers.

**Technologies used:** Microsoft server 2008/2012/2016, Active directory, Fortinet, Office365, DFS replication, DNS, DHCP, VPN

**Jan 2019 – March 2019, Greens decorators Ltd, IT Consultant (Contract)**

Redesigned and implemented the network of a serviced office building with 30+ individual offices.

* Installation and configuration of networking devices (Fortinet & HP)
* Created of VLANs
* Creation of security policies
* Creation of network policies
* Creation of VPN(s) (Site-to-site & SSL)
* VoIP handset configuration

**Technologies used:** Fortinet, HP Aruba, VPN, DNS, DHCP, Cisco phones

**October 2018 – March 2019, Bytemark/IOmart Ltd, Operations Manager (Contract)**

Iomart PLC had recently acquired Bytemark. I was asked to use my previous service provider experience to assess the current commercial viability of the technical offering and the Bytemark brand in general and to use my technical skill to ensure that the infrastructure would remain stable and constant during any change over period.

* Liaised with the board to help determine the future direction of the brand
* Worked with OnApp to plan migrations from the legacy KVM platform into on app. (5000 vm’s)
* Acted as technical lead for the company during and after the transition period

**Technologies used:** KVM, Netapp, PowerShell

**July 2018 – November -2018, Hyperslice Ltd, Technical engineer (Contract)**

Hyperslice Ltd perceived the need to adopt a more agile approach to systems delivery. I worked alongside a newly created Dev-ops team to implement a new billing system and new stock management system. I also helped design a client facing multi-tenant interface for Veeam and hired external developers to implement this design.

* Installation and configuration of Veeam
* Creation of tools to automatically deploy Veeam to all future hypervisors seamlessly
* WHMCS API integration
* WHMC Module creation
* Creation of PowerShell scripts to facilitate automation and integration
* Used the Netbox API as a reference for these scripts

Technologies used: WHMCS, Veeam, PowerShell, Netbox

**January 2015 – July 2018, eUKhost.com – Chief Techincal officer (Permanent)**

I held various permanent roles in my time here and over this period was responsible for many customer projects. Below is a selection of the typical work I would carry out.

**General web hosting**

Primarily eUkhost/Webhosting.UK.com is a webhosting company, and as such I have designed, built and supported many hosting platforms in both physical and virtual form.

* Migration of On-Prem exchange to Office 365
* Created a Azure Hybrid networks
* Installation of IIS as part of a farm or stand alone
* Configuration of Internet DNS (Glue records, Nameservers)
* Configuration of Cloudflare
* Installation and support of MSSQL(2008-2016)
* MSSQL migration and restoration
* Installation and support of MySql
* Installation and use of Plesk and cPanel
* Installation of various Linux flavors but predominantly CentOS (5,6,7)

**Office 365 integration/migration – Malaria consortium/others**

Integrated on-site Active directory with office 356 and performed mail migrations for the Malaria Consortium and several other clients of varying sizes. This migration was from an on premise 2003 instance of exchange to O365 for 500+ users

* Build an 2016 Exchange environment, as 2003 to O365 is not supported
* Linked O365 to their existing on-site Active Directory instance
* Matched on premise Active directory accounts with Azure AD ones to allow single sing on (SSO)

**VMware to Hyper-V migrations**

Designed a process for migration 3000 virtual machines between the ESXi and Hyper-V hypervisors. Oversaw the team that carried out these migrations, as well as performing hundreds myself.

* Created migration process
* Used Zerto/Veeam to facilitate this work
* Rebuild hardware form ESXi to Hyper-V as the project progressed
* Managed the team hired to carry out this work

**IIS web farm – Cheshire police force/Premier Inn**

Designed, tested and deployed load balanced IIS web farms for Cheshire Police Force and Premier Inn.

* Created an AD environment to support DFS
* Set up DFS replication
* Created shared IIS configuration
* Installation and configuration of a HA pair Fortigate firewalls that also acted as a load balancer
* Installation and configuration of Veeam replication for DR site
* Creation and support of SQL server (2008/2012) fail over clusters
* Reconfigure the mail flow from their on-site exchange to O365
* Used the exchange migration tool to move mailboxes

**Veeam environment – eUKhost**

Planned the backup environment for eUKhosts cloud and VPS environment.

* Planning and installation of Veeam environment for over 2000+ virtual machines
* Creation of custom API (in PowerShell) to allow Veaam to be controlled via custom WHMCS Module
* Designed client facing multitenant application to allow unmanaged client access to backups

Technologies used: Microsoft server (2003,2008,2012,2016), VMware (4.5 - 6.5), Hyper-V, HP Aruba, Cisco switches and firewalls, EMC storage(Isilon/ScaleIO/3PAR),Fortinet, Exchange, IIS, Plesk, cPanel, DNS, DHCP, Active directory, Office365, MS SQL, MySQL, Linux, Azure, Azure AD.

**November 2008 – October 2010, Parabis Group LLP, Network Technician (Permanent)**

Part of a team responsible for the design and implementation of the companys’ IT infrastructure and network.

* Designed and implemented storage solutions and storage networks
* Designed and implemented multiple virtual scalable environments in Hyper-V
* Redesign the company’s network and MPLS structure
* Designed and implemented video conferencing across multiple UK locations

Technologies used: Microsoft server (2003,2008), VMware, Hyper-V, HP Aruba, Cisco switches and firewalls, Exchange, DNS, DHCP, Active directory

### Further work experience

Network Technician - Hammonds LLP, April 2007 – November 2008

Support Analyst - Addleshaw Goddard LLP, January 204 – April 2007

## Certification

AZ-900: Azure Fundamentals

**Fortinet NSE 1-5**

**VCP5.5-DCV**

**MCDSE (Microsoft Certified Desktop Engineer)**

**ITIL: Foundation**

MS: Plan Implement & Maintain an MS Windows Server Active Directory

MS: Managing and Maintaining a Windows Server environment

MS: Implementing, Managing, and Maintaining a Windows Server Network

VMware vSphere: Install Configure Manage

VMware: Virtualizing Exchange Best Practices

VMware: Virtualizing SQL 2012: Doing It Right

VMware: Virtualizing Active Directory Best Practices

### Education

HND Computing, Leeds Metropolitan University

References Available on request