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**Technical Summary**

A Microsoft Azure Certified Expert and AWS Solution Architect with over decade’s years of experience in managing and designing of large-scale cloud computing services on IaaS, PaaS and SaaS. I have managed, and designed Wintel, VMware, Hyper-V and Citrix virtualisation platform Involved in the management of server build project with fresh images, upgrades and migration activity. Provided application support to mission critical environments along with ITIL processes I have specialist skills in Microsoft identity Management, TOGAF Enterprise Architecture framework, Microsoft Enterprise Mobility Management and Microsoft Azure DevOPs Services.

**Key Skills**

Demonstrated excellence in leading enterprise-wide virtualization effort with accountability of overseeing vendor hardware specifications, architectural design, installation, configuration, Cloud migration and documentation. Created High- and Low-level document (HLD, LLD) for new projects and requirements gathering by involving different project stakeholders and customers

Strong Customer Centric Approach with excellent analytical, coordination, presentation and leadership skills and skilled in grasping the clear picture and conceptualizing solutions

Delivered Citrix Projects on time in accordance with the project time lines and getting sign off from the customer. Ability to administer and deploy instances on Amazon AWS and Azure Cloud

Administration of Windows 2012/2016 domain and various windows components such as DHCP, DNS, Failover Clusters, Hyper-V Administration, SQL mirroring and Cluster configuration.

Built, configured DHCP 2012/2016 servers with failover cluster. Migrated and implemented DHCP scopes from old server to the new DHCP in conjunction with the network team, GPOs consolidations, legacy metadata DNS clear up/scavenging, new zones and child zone creation, delegation controls of admin accounts. Administered Microsoft Forefront Identity Manager, configured active sync, sync circle management, metaverse search and user's failed account in disconnected connector's space, MPR, new job title and privilege access management. I have implemented other Identity and Access Management products, IBM QRadar (SIEM), Tivoli (IBM Privilege Access Management) Azure PIM and Microsoft Identity Manager 2016 (MIM)

VMware migration from legacy VMware 5 platform to 5.5, 6.0 & 6.5, configured network switches on vCenter, VLAN, V2V VMs using VMware convertor, P2V of physical servers, EMC VNX provision virtual volumes, create remote copy groups, and virtual volume sets, presented the LUNS to VMware, Backup /restores with EMC Avamar and NetBackup 7.0, used SolarWinds for monitoring all network infrastructure devices. Migrated Citrix XenApp 6.5 to newer versions 7.6, 7.8,7.13 and 7.15. Involved in the building of HPC Grid and HPC servers Clustering admin

I was involved in the Architecture, Design and Implementation of CyberArk version 9.1 modules including “Enterprise Password Vault (EPV) - Password Vault Web Access (PVWA) - Central Policy Manager (CPM) Privileged Session Manager (PSM) - Application Identity Manager (AIM) - Privileged Threat Analytics OMP Provider (OMP) - Backup Utility for Disaster Recovery plans. These listed CyberArk modules were implemented on Windows OS environment for securing privilege accesses.

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| Technical Skills | |
| Technologies | Windows OS, SAN, Switches, WAN (MPLS) App-V Citrix, Ivanti, Linux servers, Virtualization, Cloud, Security Encryptions, HPE OneView, HPC Grid |
| Enterprise mobility | Citrix XenMobile, MS Enterprise Mobility Windows and VMware Airwatch |
| Windows Server OS | Windows 2003, 2008, 2012/2016, Workstation 7, 8 and 10 with Intune policies |
| Server Virtualization | VMware ESXi 5.5, 6.5, Hyper V Server 2012/2016 R2, Citrix XenServer 7.2 |
| SAN Storage | NetApp Data Ontap8 (Filler) EMC VNX 5200 and 5400, iSCSI, HBA, WWN, RAID |
| Backup | Symantec Backup Exec 2010/2012, HP Enterprise Vault, Veeam, LTO tapes, Avamar |
| Database | Microsoft SQL 2005, 2008,2012, 2014/17, MYSQL, PostgreSQL, Amazon Aurora |
| Scripting | PowerShell, VBScript and Bash Script, Terraform, YAML |
| Networking and TCP/IP protocols | LAN/WAN, MPLS/VPLS, TCP/IP, HTTP, FTP/SFTP, VOIP, VPN, VLANs, DNS, DHCP RDM, LDAP, UDR, SSL, SMTP, PCoIP, NAT, TRACERT, SNMP, RDP, |
| Cloud Technologies | Amazon Web Services (AWS), and Microsoft Azure (SaaS, IaaS and PaaS) |
| Security Domain | IAM, RBAC, ISO 27001, AES, IDP/IP, DLP, FIM, MIM, SOCS, MFA, GDPR, SAML |
| Linux OS | RedHat Enterprise 7x, Centos 7, 7.5, Ubuntu 14, 16 and 18.4 |
| Windows Server/VM Tools | MSDNS, DFS, ADFS, DHCP, NLB, Clustering, HA, P2V, vMotion, SVMotion, SRM, NUMA vCloud, AD/GPO, PKI, ADFS, ARM Templates, DNS, WSUS, |
| Window Server apps | Exchange Server 2013/16, SCCM, Print, server2008/2012/2016 and Skype servers |
| Monitoring Tools | Lakeside (Systrack), SCOM, Citrix EdgeSight, Nagios, SolarWinds, Grafana |
| Server hardware | HP Blade c700, Lenovo, Dell PowerEdge, Cisco Blade chassis, HP OneView |
| Enterprise Application Security for privilege Access and Forensics | AccessData, AppLocker and LandCrypt, Forefront Identity Manager and Microsoft Identity Manager, RSA DLP, CyberArk Privilege Access Management, Advance Threat Analytics, Azure Hybrid Identity, CyberArk Privilege Session Manager |
| DevOPs Task and Tools | Docker, Ansible, Jenkins, Git, TFS 2017/2018, Azure DevOPs server, Build/Release definition, Code drop, sanity checks, SonarQube tool and Visual Studio Code |
| Citrix | PVS, XenApp, XenDesktop7.15/18, NetScaler, StoreFront and XenServer, Unidesk |

**Certifications**

* Certified Cisco Network Associate (CCNA)
* Microsoft Certified Systems Administrator (MCSA 2000/2003)
* Microsoft Virtualization Specialist (MCSA)
* Certified Citrix Enterprise Engineer (CCAA 2012 & CCEE 2013)
* Certified Citrix NetScaler Administrator 9.2/10.5 (CCA 2012/14)
* Certified Citrix Virtualization Expert (CCV-E)
* Certified Enterprise Architect TOGAF (Certified 2016)
* AWS Amazon Solution Architect (2016, Completed)
* Microsoft Certified Solutions Expert (MCSE, Cloud Platform (2017)
* Microsoft Forefront Identity Manager (FIM/MIM 2016)
* AWS Security Specialist Training 2018 (Completed)
* Microsoft Azure Security Technology (AZ-400 & AZ-500)
* Master’s degree in information security and Computer Forensic Programs (MSc 2010)

**PROFESSIONAL EXPERIENCE**

**Lloyds Insurance London, Technical HPC Grid and Cloud Consultant 22/07/2019 current role**

Since I joined Lloyds Insurance as a Technical HPC Grid Specialist and Cloud engineer, I have worked on both BAU and projects within Lloyds Group Technology. My daily responsibilities are as follow;

Responsible for running daily report on Tyche Application running on HPC Grid Cluster

Responsible for HPC Cluster update and ensure none of the Nodes is in Offline state or draining

Responsible for firmware upgrade, server profile settings, rebuild and general maintenance of HPC nodes

Responsible for deploying Desire State Configuration on the servers, troubleshoots incident when arises

Responsible for Future Lloyds projects which includes MoRF3, MoRF4 and Tyche upgrades to new versions

Involved in the deployment of MoRF4 on HPC Grid on-premise and Azure, using automation tools (DevOPs)

I am involved in Application Remediation and applications migration to (Azure Cloud) with SAML SSO settings in Azure AD. ADFS integration with SAML SSO for on-premises apps with App proxy, AD proxy

Responsible for provisioning of new VMs on Hyper-V infrastructure and also migrate VMs from different host to another host within Tyche or QuIC clusters and also deployed VMs in Azure using Lloyds templates

Drives quick turnaround on priority tickets and communicate updates to the customer on time.

Resolve issues affecting synchronisation between on-premise AD and Azure Directory Service using PowerShell. Involved in patching of Lloyds Linux Redhat Enterprise Servers Estate hosting GitHub

Most of Lloyds application remediation follows CI/CD pipelines strategy using Git as one of the version control for codes management, our GitHub Enterprise Server is also used for ticketing and codes repos, TFS is also in used for work project, codes, build and release definition, script repository for DevOPs task

Actively involved in the documentation of deployment process, build and backup process.

**Capgemini/Royal Sun Alliance, Infrastructure Cloud Consultant,10/2018 to 19/07/2019**

Responsible for design, implementation and deployment of Workspace in AWS Cloud with pre-installed Microsoft applications and other enhanced application tools for DevOPs environment

Responsible for image creation based on the application requirement i.e. Duck Creek, CRM, Biztalk, UFE, AIL, Digital and MDM, the images were created and turned into Bundles used in deployment of Workspaces

Actively involved the CI/CD pipeline for Codes deployment, sanity checks before handing over to testers

Involved in the Build and Release Definition on Microsoft Team Foundation Server 2017, codes validation checks using SonarQube tool, codes check-in - check-out on centralised Repos, defects are logged in ALM

Helped setup Dev environment servers, comprises of Databases and Apps servers on AWS cloud

Involved in the migration of on-premise virtual machines on VMWare ESXi 6.5 to AWS EC2 Cloud platform using VMWare Connector, created VPCs, NAT Gateways, EC2 instances and other AWS services

Contributed to the Designing and deployment of public key infrastructure and AWS Cognito SAML setup

Responsible for Office 365 Administration, AADConnect/ADFS workflow errors fix, mailbox migration from on-premise to O365, Security protection configuration, Threat Intelligent and Client Certificates renewal. Integrated Apps in AWS for specific applications with SSO in Azure AD. Implemented DUO MFA for Workspaces authentication and setting up Certificate manager for entire infrastructure. Created users, groups, roles and attached polices to roles on AWS IAM. Responsible for LLD updates of my project stream including DevOPs. RSA environment comprised of AWS and Azure Cloud therefore tight integration span across all platforms in delivering web Apps, web server, web APIs, Logic Apps and React App for Digital Application. Proven record of working within Agile, Scrum, Kanban, Jira and Confluence environment

**ARM Cloud and Identity Consultant, 05/2018 to 10/2018**

Involved in the implementation of Azure AADConnect, MIM 2016(Multiverse) and Office 365 integration, involved in the migration in on-prem exchange to Office 365. Implemented CMDB for migration project for ARM new Datacentre in Redhill. Helped in the provisioning of VMs using vRealise automation both lease and non-lease VMs. Help implemented Janus applications hosted in Azure with SAML SSO integration and VMs provisioning including Network configuration design, managed disks, App load balancing, AD proxy Application firewall. Helped implemented OMS monitory by deploying OMS agents and dependencies in virtual machines. Managed ARM B2C Active Directory for Open API, Open API Brocade Load balancer, Microsoft Graph API access control. Involved in the designs of Identity and Access Management based on Azure AD, Synchronisation Workflow rules and configuration and MIM 2016 Administration of workflows

Implemented IAM in AWS using Azure for SSO integration, setup AWS CloudTrail for Open API, IAM access logs in S3 bucket in AWS. Involved in the task of Hybrid exchange upgrade from 2010 to 2016 implementation, mailbox migration from on premise to Office 365 Exchange online

Created and managed Subscriptions, Resource Groups and cost explorer using Azure calculator

Created and managed Management Groups, RBAC, Policies, ADFS, MFA and conditional access

Created and managed Azure Log analytics (OMS Suite) and managed Service Endpoints/open APIs

Created and managed Azure Monitoring using Azure Monitor for Application and Infrastructure

Created and managed Storage account both standard and premium storage (unmanaged disk)

Involved in the creation of Virtual networks, VPN, WAF, NSG, UDR and Peering connections

Proficient using PowerShell, Terraforms, JSON, Visual Studio Code and Azure ARM Templates

In-depth knowledge of Azure Backup and Site Recovery and replications (LRS, ZRS, GRS and RA-GRS)

Involved in the creation of Azure VMs, VMs migration, Disk attachment, ARM template deployment

Good knowledge of Azure DevOPs using Team Foundation server 2017/18 in managing Codes drops, build and release definition, environment strategy, SonarQube for code validation, resolves errors arising from releases. Involved in CI/CD Pipeline environment programme for various applications pipe-clean activities during integration phases. Provisioned Linux VMs on both AWS and Azure platform and updating VMs.

**SELFRIDGES, Senior Infrastructure Consultant (Cloud) 09/2017 to 05/2018**

Involved in the designs and implementation of Office 365, ADFS components and Azure RMS, also part of the team responsible for AD consolidation, remediation and Microsoft hybrid Identity implementation on Selfridges newly embraced technology. I have worked on VMware transformation project to upgrade the current virtualization DC from 5.5 to vSphere 6.5. Implemented Microsoft Enterprise Certificate Authority designs, domain upgrade to server 2016 and Identity manager 2016. Currently Selfridges has an IBM Bluemix Cloud for PaaS platform (applications development) Oracle Cloud for SaaS application and Identity and Access Management for joiners, leaver and moves (JLM) Microsoft Azure (IaaS). Involved in the monitoring of the entire Selfridges network using PRTG tool, backup and restore using Veeam and Commvault (Sympana) Involved in the daily meetings; Cab meeting, stakeholder management and feedback on project progress and bottleneck, worked in the upgrade and extension of on-premise AD to Azure Active Directory for Office 365, Virtual Machines and Network Infrastructure migration to Azure cloud CyberArk is used in managing the privilege access to applications, system devices and servers.

**NTT Data/MHRA Senior Infrastructure Consultant (Cloud), 09/2016 to 08/2017**

Involved in implementation of new Citrix Design platform XenApp, XenDesktop 7.8, NetScaler 10.5 and Web Interface 5.4/StoreFront 3.2 and support for existing Citrix Farm 6.5 and 5.0

* Involved in Exchange mailbox management and troubleshooting and also public folders. Resolve issues on Microsoft Forefront Identity management synchronization with MHRA AD. Responsible for virtual Server checks and escalates any issues arises. Take charge of PVS image updates and also provision new images for future apps deployment (Citrix Provisioning Server 7.8)
* Involved in Disaster Recovery (DR) project supervised by SUNGARD where Citrix Applications and infrastructure servers were tested and failover to DR using VMWare Site Recovery Manager
* Involved in managing Active Directory infrastructure, Forest and Child domain controllers, sites & services as well as DHCP, DNS, NTFS permissions, Domain & OUs Group Policy Objects. Implemented DWP projects on DHCP new Scope change. Firewall Management (Barracuda)
* Involved in Configuring and Administration of backup / Restores / systems (Dell EMC VNX SAN Solution / EMC Avamar) Implemented change assigned to me, such as Office 365 migration prep work and ADFS Relying Party Trust for Single Sign-on change implementation
* Help implemented RSA secure authentication, token decryption and exported the token into RSA servers interfacing with LDAP servers, assigned RSA token to users working remotely and from home and Integrate RSA with ADFS federated web SSO (B2C AD), Firewall deployment
* Involved in day to day Windows server maintenance, built and patching, snapshot backups, and consolidation, upgrades and hardening. Raises change and represent the change in CAB meetings and subsequently implemented approved change. Troubleshoot issues emanating from Citrix provisioning server image updates, new image provisioning and image streaming network bottleneck. VDI deployment, Robotic project with third party Thoughtonomy using virtual agent (RPA)
* Involved in DWP Project for Office 365 implementation and integration with government Digital Workplace Compliance (DWP). As part of Digital transformation, Microsoft Identity Manager 2016 is replacing FIM currently in MHRA therefore I have been involved in 2 phases of migration
* I have been involved in the High level and Low-level design of Microsoft Identity manager 2016 in anticipation of hosting some of the MIM synchronisation servers in Microsoft Azure Cloud, involved in the current MIM 2016 proof of concept deployment in Azure Staging environment. Involved in administering exchange server 2010/13 and Lync 2010/2013, IIS and 2012 r2 servers
* Involved in transitioning Microsoft Forefront Identity Manager 2010 r2 to Microsoft Identity Manager 2016 (MIM) interfacing Oracle fusion as new replacement for JLM (custom built software for Joiners, leavers and Moves) Managed Microsoft Public Key Infrastructure (PKI)
* Help build new Database instance for MIM (FIMSynchronizationService, FIMService and FIMCustomData) I also completed a prep work on FIM migration to MIM 2016, created missing, departments, Job titles, Organisation Unit, Management Policy rules, FIM managed groups, Distribution List, MPRs, Set, workflow, etc, I also monitored FIM Sync service on daily basis
* Currently as a FIM Administrator I involved in troubleshooting issues arises from missing display names on the FIM portal, new joiners, missing employee ID, backups, Synchronization with MHRA Active Directory domain and AD remediation and consolidation so as to remove unwanted objects
* Administered VMs on VMware vSphere 6.0, created machine templates for easy deployment on VMware and test virtual server’s environment hosted on Hyper-V 2012 platform

**Cognizant Technology Solutions UK Ltd**

**Duration: 11/2014 to 08/2016, John Lewis, IT Infrastructure Operation Manager**

**Project Details: Technology Specialist in Wintel/Citrix Operations, PowerShell and Cloud service**

* Involved in Install and Configuring of Windows 2008/2012 Servers estate.
* Involved with customers for new project requirements for Windows Server 2003 /2008/2012 upgrades and consolidation. I involved in the Data migration from legacy systems to new platform
* Designed and Implemented Windows Active Directory and Server Cluster environment on Windows 2008/2012 servers, involved in the extension of on-premises AD to Azure AD, Migrated and managed virtual machines using Azure Site Recovery the Azure, setup replication policies and Manual conversion of VHDs using Sysprep, I used MigAz tool for ASM to ARM migration
* Created and managed users and groups in windows 2008/12 Domains through GUI and PowerShell
* Implemented Active Directory security policies for users to adhere to organizations security policies. Created VM templates for quick deployment of virtual machines based on Windows OS
* Build, install, configured and maintained virtualization products including ESXi & Hyper-V servers, HA, Clusters on VMWare vCenter and Hyper-V SCVMM. Administered Exchange 2010, Lync servers 2010 configured for Polycom conferencing and Skype for Business
* Installed, Configured and Managed AD / GPO, DHCP, DNS, IIS, Print and Web Services
* Performed Security Health Checks on Windows servers and other device related activities,
* Research root cause of problems and escalate to engineering and vendor support as necessary.
* P2V and V2V implementation upon analysing the existing infrastructure requirements on vSphere
* Manage problems and service tickets ensuring timely resolution to meet Service Level Agreements
* Followed established Enterprise change management procedures for raising changes and execution
* Participated in Business Continuation, Disaster Recovery infrastructure planning, building, and testing using VMWare Site Recovery Manager with SAN configuration (Storage Replication)
* Administer VMware & Hyper V Clusters, Resource Pools assignment using scripting tool (PowerShell). Assisted in Citrix XenApp 6.5 migration to XenApp 7.7 with it components
* Supported Citrix Server infrastructure and virtual Desktops provisioning. Office 365 Administration. Also managed user mailboxes on premise exchange and online (Office 365)
* Administered Microsoft Forefront Identity for user creation automation in AD
* Involved in the design of AWS virtual private cloud configuration (VPC). Facilitated procurement for renewing RDS licenses. Involved in the deployment of new Citrix site upgrade of XenApp 7.9 on Amazon EC2 for hosting Citrix shared Desktops, and VDI on Cloud.
* Utilised Elastic Load Balancers with Amazon Elastic Compute Cloud (EC2) for fault tolerance on web applications provisioning, advised client on the best subscription platform on AWS, (Spot, Reserved and On-demand) billing system
* I took part in the prep work in the migration of Microsoft Office 365, IDFix, on AD remediation
* VM Resource Expansion and troubleshooting, Snapshot, Clones, Templates creation and deletion
* Monitor network servers, applications, network devices using SolarWinds and Lakeside (systrack)
* Involved in backups and file restores on EMC Avamar backups and backup recycle with HP 3 Par

**Previous Employer: Domestic and General Insurance Plc, Wimbledon, London**

**Duration: 07/2014 to 10/2014**

**Role: Senior Wintel/Citrix Infrastructure Consultant**

**Major Project Executions:**

* Installed and configured system centre components for Hyper V, Virtual Machine Manager, Operations manager, Data Protection Manager & App Controller.
* Played a major role in Implementation of Office 365, Microsoft Exchange 2013 and Microsoft Enterprise Mobility, Administered Microsoft Forefront Identity Manager for user automation
* Microsoft System Center 2012 Technology Adoption Program and Active Directory consolidations
* Building Management System IT Infrastructure using VMware 5.1 (Wimbledon ecommerce)
* Migrated all users from old Citrix farm XenApp 6.5 to the newly built farm XenApp 7.6

**Responsibilities:**

* Responsible for the day to day operations of infrastructure which include AD and applications
* Managed and implemented infrastructure assigned tasks with the following technologies such as VMware, System Center, Fujitsu Storage arrays & data centre builds
* Involved in Problem Management, Incident Management and Change Management Process using (ITIL V3) methodology
* Involved in Operations and Support for vCenter Server and VMware ESXi host servers
* Build, configure, and deploy VMs templates based on customer requirement
* Physical-to-Virtual (P2V), Virtual-to-Virtual (V2V) and Virtual-to-Physical (V2P) migration of servers from VMware, Hyper-V and legacy hardware conversion
* Operations and Support for Hyper V & VMware cluster infrastructure in the Datacenters
* Configuration and management of vMotion, Fault Tolerance and Resource Pools on vCenter 5.1
* Backup using Symantec Backup Exec 2012 by creating disk pools and scheduling backup tasks and also used Veeam for virtual machine backup including vm snapshots depend on retention period
* Operations and Support for Active Directory, Group and Preferential policies object
* Performed SAN and NAS systems monitoring and management
* Monitored Service Desk tickets, change and incident requests using ticketing tool (ServiceNow)
* Documented all Incidents Reports and Change Request management

**Previous Employer: CAPITA (UK) Plc, Leeds**

**Duration: 04/2014 to 06/2014**

**Role: Senior Infrastructure Consultant**

**Technologies: Citrix, Wintel Servers virtualization**

* Domain controllers, File Servers and Antivirus endpoint devices Administration and Support
* Administered Active Directory Service by involved in configuration and administration of objects in AD using Group Policy Object (GPO)
* Windows 2003, 2008 and 2012 build, migration and administration on Microsoft Hyper-V 2012
* Maintenance of virtual File servers, IIS Web servers, Database servers and Printer Servers.
* Administered DNS, DHCP, IIS, AD-RMS, GPOs, Sophos anti-virus, SCCM/ WSUS Servers.
* Diagnosed and resolved OS related problems, System Performance, Hardware related problems.
* Used LakeSide Systrack Monitoring tool to check, Event logs performance Logs, Application error logs and Disk thresholds, CPU utilization and system processes in degradation states.
* Performed regular backups using Symantec BackupExec, Veeam, NetBackup and EMC Avamar SAN
* Windows patch installation and upgrades deployment via SCCM and Printer’s migration to new Print servers, help resolved application errors caused by OS incompatibilities and wrong server patches
* Services orientation on the servers & Desktops refresh projects
* Scheduled and planned for server migrations, patch rollouts & hot fixes on periodic basis
* Publishing all App-V packaged applications via Citrix XenApp 6.5 AppCenter Console or with PowerShell Command, troubleshoot all applications defects. Liaise with Application vendors to resolve failing applications and integration issues

**Previous Employer: HCL/Allied Irish Bank, Dublin**

**Duration: 03/04/2013 to 04/04/2014**

**Role: Senior IT Infrastructure Consultant**

**Technologies: Windows 2012, App-V, Hyper-V and Citrix 6.5/7.5, Symantec ERP, RES.**

**Responsibilities:**

* Employed by HCL to work as an Infrastructure engineer to design the entire Citrix infrastructure
* Provisioned virtual machines via Hyper-V, setup ISO Library and Networking on the Hyper-V
* Deployed App-V packaged applications on Citrix farm through App-V management server.
* Windows 2012 was used as for the platform in delivering Citrix Farm, both XenApp/XenDestop
* Help designed new Active Directory Services and implemented all attribute objects and schemas
* Administered Exchange Server 2010 and used VERITAS backup for regular backup and restores. Installed SCVMM for managing Hyper-V virtual Machines and replication service
* Involved in Data migration from legacy Operating systems to New green field environment 2012 r2
* Implemented all approved changes and also request changes that demand urgency to avoid outages
* Help built all Servers allocated for Citrix farm platform and help created VLAN for Citrix PVS
* Built and configure Print Server and assigned department to printers using Point & Click Print software and Uniflow. Administered DNS, DHCP, ADFS, Domain Controllers and Azure AD
* Created Gold image using both Citrix Provisioning servers and Microsoft System Configuration Center.

**Previous Employer:**

**NHS North East London Trust, 10/12/2012 to 08/03/2013 Senior Enterprise Server Engineer**

**Technologies: Windows 2008, 2012, VMware 5.1, HP C700 Veeam, workstation windows 7/8**.1

**Previous Employer: NHS Trust Maidstone, IT Infrastructure Analyst 22/07/2012 to 31/11/2012**

**Previous Employer: Christies Auction London, IT Infrastructure Analyst, 23/04/2012 to 20/07/2012**

**Previous Employer: IBM/QBE, Infrastructure Analyst (Wintel Server) 07/03/2011 to 30/11/2011**

**Previous Employer: Computer Centre, Enterprise System Engineer 15/10/2010 to28/02/2011**

**Previous employer: RBS Security Analyst Banking Operations/RACF/AD (06/2010 to 31/12/2010)**

**Previous Employer: SCC Security Analyst (AD, IAM and SIEM (01/5/2009 to 24/05/2010)**

**Previous Employer: Capgemini, IT Security Administrator (IAM and AD) 23/03/2006 to 20/04/2009.**

**Cloud Competencies:**

**Azure IaaS competencies:** ASM/ARMVirtual Machines (Windows/Linux), Resource Groups, Custom OS images, Storage accounts (LRS/GRS/Premium), VM/Storage encryption, Virtual Networks, Peering, STS/PTS VPN, UDRs, NSGs, Internal/External Load-balancers, Application Gateways, VPN Gateways, CDN and Traffic Manager, ExpressRoute, BGP, QoS and traffic shaping, IPsec.

**Azure PaaS competencies:** Service Bus Premium, KeyVault/HSM, App Service (Websites), SQL Database/Elastic Pools, Analysis Services, , Recovery Services, STORSIMPLE, Log Analytics;

**Azure SaaS competencies:** Office 365, Yammer, Skype for Business, Custom Domain, Exchange online

**Azure Hybrid Identity:** Azure AD Premium (B2B, B2C, Application Proxy), Enterprise/Account Portal, MFA, PAM, Resource Manager policies, RBAC, Automation, tags/locks, ASM/ARM PowerShell DSC/JSON templates, Azure OMS, Security Center, Azure Information Protection (ARMS)

**Operating systems: Windows Server** 2016/2012/2008/2003/2000

**AD Directory Services:** AD Connect, DirSync, LDAP; AD FS, Windows Azure AD, AD LDS, FIM 2010/MIM 2016, Single Sign-On SSO, SAML, OAuth, Kerberos, Quest Active Roles, VBS scripting.

**Messaging:** Microsoft Exchange 2003/2007/2010/2013; Office 365, Messaging gateways/scanners: Mimecast Security, Symantec Enterprise Vault; Symantec Discovery Accelerator; Microsoft Lync Server 2010, Google Mail, GoDaddy web Mail

**Monitoring:** OMS, Azure Security Centre, Nagios, Lakeside Systrack, EdgeSight, HP ArcSight, Wireshark network packet analyser and Orion SolarWinds and Nagios

**Virtualization:** Microsoft Hyper-V Clustering, SCVMM 2012, VMware ESXi 5.5, vSphere, vCenter,

**Storage:** EMC VNX**,** EMC Avamar backup Quantum and HP tape library; SAN; NAS; FC; iSCSI; RAID; CIFS; NFS; LUN creation and presentation. Symantec Storage Foundations; Symantec NetBackup; Thin Provisioning; De-duplication; Compression

**Identity and Access Management:** AWS AIM, Forefront Identity Management 2010, Microsoft Identity Management 2016, Advance Threat Analytic, CyberArk Privilege Access Management

**AWS Competency:** Built Proof of concept (PoC) of Amazon Web Services – provisioned and administered EC2 instances, S3 Buckets, Elastic Block Storage (EBS) bootstrap scripts, route 53, Identity Access Management (IAM), AWS Multi-Factor Authentication, AWS Directory Service, CloudFront, CloudTrail, VPC configuration which involved VPN, NAT Instances configuration, NAT Gateway, DirectConnect, AWS Connector for vCenter where on-premise virtual machines can be migrated to AWS cloud service. Deployed Citrix XenApp/XenDesktop on AWS Cloud EC2 for Application delivery and VDI provisioning. Updated Linux image Instances on AWS cloud services, Migrated Data using Application Discovery Service, DMS, Server Migration. Deployed Workspace using customised batch script and Application services SWF, API Gateway, Simple Workflow, deployed Cognito for user identity and app data synchronization.