**nChristopher Anthony Nonis - Resume**

**PERSONAL DETAILS:**

Christopher Anthony Nonis

**Driving Licence**: Full, clean.

**Present Location**: Kent Ashford

**Preferred Location**: Commutable SE / London

**Availability**: 1 Calendar Month notice.

**Mobile :**  07762 075948

**Email :** chrisnonis@live.co.uk

**Website :** [www.christophernonis.com](file:///C:\Users\chris-desktop\Desktop\www.christophernonis.com)

**Technical Qualifications / Professional Education:**

**Education**

BEng. (Hons) in Electronics and Computer Systems Kings College University of London (1996).

ONC in Telecommunications and Electronics

4 O Levels English (B) Maths (B) Economic History (C) Physics (C)

**Windows – Certification**

MCSE – Cloud Platform

**Cloud – Certification**

AZ300 Azure Architecture Technologies

MCSE Cloud Platform and Infrastructure G899-9881

AWS Certified Solutions Architect – Associate - License YZJJMXH1DNE11Y9J

MCSA Cloud Platform – License G360-0963

70-533 Implementing Microsoft Azure Infrastructure Solutions –License G356-1345

70-534 Architecting Microsoft Azure Solutions – License G356-1345

70-414 Implementing an Advanced Server Infrastructure

**NETAPP – SAN Certification**

NetApp Accredited (E –Series Implementation Engineer) – (05-2015)

NCIE – SAN v2 (SAN Implementation Engineer) (San and Virtualisation)

NCDA – NS0156 Clustered Data Ontap Administrator - (05-2017)

NAIP – NetApp Accredited Installation Professional - (05-2015)

NetApp Accredited Technical Sales Professional – (05-2015)

NetApp Accredited Sales Professional Accreditation – (05-2015)

**VMWARE - Certification**

VMware Certified Professional 5.5- Data Centre Virtualization (VCP5-DCV)

VMware VTSP 5.5

VMware VSP 5.5

VMware VSP-CP

VMware VTSP-Hybrid

VMware VSP-NV

VMWare VTSP-SV

VMWare VTSP-MO

VMWare VTSP-DV

VMware VTSP-SDS

VMware VTSP-DAAS

AMIEE – Associated member of the Institute of Electrical Engineers

MBCS – Member of the British Computer Society

**Technical Skills**

**Operating Systems** Windows 2003 – 2019,

NetApp ONTAP 7.x/ 8.x / 9.x – 7MODE/CMODE

Linux Red Hat Linux, Unix, Solaris, SuSE 10.x

**Infrastructure skills** Active Directory 2003 / 2008/2012/2016/2019, DNS / DHCP

NetApp (NAS / SAN), DFM, Performance Manager / Ops Manager

Data Fabric Manager, Oncommand insight / core/balance/cloud/

Report/Performance Manager/Site Recovery/Site Manager

Appliance Watch / Solar Winds / Santricity / Appdynamics, Scripting

PowerShell skills, Infrastructure as code,ARM Templates Cloud,

Hybrid, Hybrid Data Centers, Azure Migrate , Azure Site Recovery

AWS Direct Connect, Amazon Route 53, Amazon VPC, Amazon

Cloudfront,Azure VPN Gateways, Express Route , Vnets, vDC,

Microsoft Virtual Data Center, Azure Hybrid AD, ARM, PowerShell,

JSON

**Application Skills** SQL 2005/2017, SharePoint 2007 – 2013 , MySQL

**Messaging Skills** Exchange 2003/ 2007 / 2010 /2012 / 2016 Outlook email clients

(All versions)

**Backup Skills** Veritas NetBackup 4.5 /5.0 / 5.1/6.0/6.5x/7.x, Veritas

Backup Exec 8.x/ 9.x /10.x / 11.0x /12.X, 2010 R3.

Various Storagetek / Overland / Dell / HP libraries +

Associated Fibre technologies, cisco / brocade switches

Symantec Puredisk 6.5 X, Veritas Clustering 4.x

Azure Backup / Recovery Vault / Amazon Snowball

**Storage Skills** NetApp FAS 2XXX/3XXX/6XXX/FAS8XXX

IBM NSeriesN3XXX/5XXXX/6XXX/7XXX/8XXX

NetAppE Series / Flexpod / UCS/ HP Blades HP C7XXX

Disk Shelves DS14 mkX , DS2246,DS4243,FC, SAS , SATA/SSD

Flashpool/flashcache/hybrid/AllflashFAS/Flashray

R series. iSCSI iSCS 1.06 / 2.0 2.1 , 2008 R2 initiators

Remote lun booting Adaptec iSCSI (TOA), PAM, Flash Cache,

Flashpool / Flash Acc

TCP off load cards. Qlogic Brocade FC cards

NetApp SnapManager for Exchange / SnapDrive

/SnapMirror /SyncMirror / SnapVault /SRA / OneDrive for Business

/Azure Site Recovery

**Other Technologies** VMware Vsphere / ESX 3.5 / 4.0 /4.1 /5.0/5.1/5.5 / 6.0 HA / DRS / FT

vMotion /ESXi / SRA, VMware VCB, SRM, UCS, Migrate, Movere

Infrastructure skills,

Audit Manager. MOM / ITIL.

**Hardware**: Cisco UCS / MINI

Hardware including blades, NAS and backup devices,

PowerVault (Nas and backup devices)

Netapp Filers FAS2XXX ,FAS3XXX ,FAS6XXX,FAS8XXX

IBM Nseries 3000/5000/6000/7000

Cisco / Brocade switches

**Personal profile**

I am an IT Professional with a wide range of experience in the IT industry. Able to work on own initiative or and as part of a team. I have proven leadership skills involving managing, consultation, developing and motivating teams to achieve their objectives. I have First-class analytical; design and problem-solving skills and I am dedicated to maintaining and delivering high quality work and standards.

* Cloud / Storage Architect design / implementation / transition to service for Datacenter and Cloud projects
* Cloud Migrations / Hybrid infrastructure / Cloud Infrastructure / Greenfield Cloud Solutions
* Extensive Transformation and Data Migration in ITIL / Prince2 environments
* Following Togaf Methodology
* Extensive Storage Experience across customers / Managed Services implementing in secure environments and across Datacenters
* Extensive experience working integrating NetApp / VMware solutions
* Experienced and innovative IT Professional with extensive technical and training skills.
* High personal integrity, and able to relate to and create trust in all.
* Consultation and problem-solving skills
* Extensive structured training throughout my IT career
* Worked extensively in major Infrastructure projects for the last 7 + years
* Highly articulate, confident and persuasive team-builder, able to motivate and communicate technical facts / information accurately.
* Dependable and reliable in supporting and enabling team effort to produce genuine short-term and long-term goals.
* Honors degree in Computer Systems and Electronic Engineering
* Cloud Azure + AWS Certified.
* Storage Consultant consulting on both NetApp and Symantec Products.
* Involved in full lifecycle of Technical Consultancy. Pre-sales / Technical Sales assistance / Design and documentation / Implementation

**MAJOR ACHIEVEMENTS:**

* Cloud Architect for Cloud Transformation project for Government client – Her Majesty’s Treasury
* Cloud Architect for Cloud Transformation project for NHS client – University of Leicester Trust
* Cloud Architecture for Application migrations to cloud.
* SQL application architecture SQL Farm cluster for SQL workload offload work streams.
* Storage Architect working on various solutions for clients in Oil Industry. Full lifecycle from engagement to design / project resource management / documentation / implementation to handover.
* Clustered Ontap / UCS Data Center solution for Afren (7 Mode to Cluster Mode) File Server / FAS migration of user data / application migration (Wintel) + provisioning Primary and DR Datacentre + solution. Virtual environment migration across platforms + associated 3rd party environments.
* UCS mini / FAS 2250 hybrid solution for internal Datacentre provisioning new datacentre + wintel migration to new best of breed environment.
* NetApp consultant working on highly secure solutions for high profile Mapping company moving data infrastructure to a highly secure managed data centre environment.
* NetApp consultant on major nuclear client for Infrastructure Transformation / Migration onto NetApp solution secure datacentre environment. Client was rolling out infrastructure change across 3 big sites in the UK. Solution utilised NetApp Snap technologies to facilitate protection. VMware / Cisco was also part of solution.
* NetApp consultant for RMG group for NetApp solution utilising VMware, SMVI + DRS
* NetApp Consultant on Diegeo solution for SharePoint utilising UCS / Cisco / NetApp + Microsoft products. SnapManager plus clustered NetApp filers protected the critical data
* NetApp consultancy for Freshfields working on Transformation project to transform environment for managed services.
* NetBackup Consultant on major project for Kings College London NetBackup Infrastructure – phased move to managed data centre environment, which needed a supporting backup infrastructure.
* NetBackup consultant on major project for Camden Council London on SAN / NetBackup solution covering full lifecycle from initial engagement / design and then implementation after POC phase.
* NetBackup consultant on major Cloud project based in two Datacenter using Clustered NetBackup + Clustered PureDisk Solution.
* Scottish Parliament NetApp / NetBackup SAN solution, NetBackup upgrade + redesign to facilitate new environment.
* Working and implementing an ITIL methodology in our Information Technology Group

**University of Leicester Hospitals – Azure Tenancy Re-Architecture**

**March 2018 - Current**

Cloud adoption - preparation work re-architecting Azure tenancy platform to facilitate future cloud adoption. Currently used just for Dev Ops.

Current streams of work

* Introducing Architecture re-design around Microsoft Azure Best practices to facilitate future cloud adoption
* Re-engineering existing design to follow hub and spoke design and allow solution to scale out
* Improving resilience implementing VPN to second datacentre.
* Implementation of Azure Migrate to run suitability assessments on existing VMWare farm
* Implementation of Azure Site Recovery / Azure Database Migration tool to migrate existing workloads / DevOps Workloads
* Workshops / POC around Azure tools
* Evaluation / POC around Movere to run VMWare intelligent assessments

**NTT AZURE TECHNICAL ARCHITECTURE – HMT (Her Majesty’s Treasury) - Azure Transformation**

* **Phase 2 Cloud Migration**

**August 2018 – March 2019**

Cloud Transformation Project– Office 365 migration Phase 2

* Cloud Migration to Office 365 for Government client primarily Exchange, Skype and OneDrive and Single Sign on.

Migration of existing on-premises services for approximately 2500 + users to Microsoft Office 365 and the enabling of selected new features as a pilot then transitioned to live service

Single Sign on for 0365 as well as Azure Rights Management and Information protection will be implemented and 0365 will also be configured to allow federation with other government agencies and business partners.

**NTT AZURE TECHNICAL ARCHITECTURE – ORBUS iServer Azure migration**

**March 2018 – June 2018**

Cloud migration of iServer Application Infrastructure from NTT Data - Data Center NTTData- Azure Tenancy.

Design / Implementation / Migration / including (Hand over to support) of new iServer Application infrastructure migrated to NTTData - Azure Tenancy.

Design based around Microsoft current recommended guidance and Orbus Application recommended guidance for cloud hosting.

Microsoft reference architecture “VPN Gateway Design” utilised to extend the On-Premise network to Azure

Main requirement to allow secure access from the NTTData Enterprise network only. The iServer Application is an NTTData work tool for Enterprise Architecture for NTTData Architects.

Azure VPN IPSEC gateway was utilised to ensure secure encrypted connectivity for the tenancy, NSG’s ensured that traffic was locked down as required to restrict only applicable traffic access.

* Application upgraded on NTT Datacentre with client upgrades before migration to Azure to ensure migration outages were reduced and metered costs were reduced on Azure Tenancy.
* Application data migrated to new Azure tenancy design and DNS changes ensured the switch over to NTTDATA Azure tenancy were seamless with minimal disruption to the end users.
* Application successfully migrated over the Azure Tenancy from existing NTTData Cloud DC with associated recovery solution utilising Azure Backup deployed for seamless recovery and Azure Monitoring allowing single pane of glass monitoring.

**NTT AZURE TECHNICAL ARCHITECTURE – HMT (Her Majesty’s Treasury)**

* **Azure Transformation Phase 2 Cloud Migration**

**October 2017- March 2018**

Cloud Transformation Project– Design and Implementation for Phase 1

**Hybrid AD enablement.**

Establishing a cloud presence for Government Client implementing Hybrid Active Directory and Single Sign on Enablement for the Office 365 Cloud Services

Design and implementation of Azure Networks allowing hybrid connectivity to the current HMT Datacenter.

Networks designed around Microsoft Virtual Data Center Model (vDC) following Microsoft current recommended guidance. Microsoft Virtual Data Center (vDC) scales to support enterprise workloads and also supports the necessary network and security management.

Design and implementation for Azure Hybrid AD allowing multi-tenant cloud-based directory and identity management service which combines cored direct service and advanced identity governance and application access management

Hybrid AD designed utilising Microsoft recommended guidance and built on the Networks established with the vDC design

Two tertiary domain controllers and the Windows AD connect server synchronise with the onsite on-premise infrastructure and AD connect health monitors in a “single pain of glass” the health of the key identity components.

**NTT TECHNICAL SQL APPLICATION ARCHITECTURE - UHL NHS LEICESTERSHIRE**

**December 2017 - May 2018**

SQL Farm Cluster – Design and Implementation for SQL Farm Environment to run Microsoft SQL Server Workloads.

Workshop held in June 2017 establishing the need the need for a SQL Farm running high powered compute nodes on a dedicated Storage / VMware environment.

Design consists of new dedicated storage SSD disks meeting the required IOP’s required for the new workloads.

New compute nodes utilising a new VMware environment was designed to utilise UHL’s existing licensing requirements when consolidating workloads.

Dedicated hardware allowed the separation of the resources from the main shared SAN and Compute environment utilised for production.

* The separation of the resources would have a cumulative effect of reducing the load on the current production storage iops and compute.
* New network design for a pure 10GbE for data was done in co-ordination with the core network upgrade at the primary datacenter site.
* Migration of the existing SQL environment onto the new environment is to be completed by UHL support staff and the IBM DBA’s

**NTT TECHNICAL ONSHORE TO OFFSHORE CONNECTIVITY ARCHITECTURE – Telefonica**

**June 2017 - November 2017**

Telefonica Work Place Services Connectivity Offshore – Design and implementation of connectivity solution from NTT Offshore Bangalore to NTTData Telefonica Work Place Services.

Establishment of the most suitable connectivity for the new Telefonica Work Place Services contract to be supported from NTT Offshore Bangalore.

Two solutions designed around a Tactical Solution and Preferred solution.

* Tactical solution allowing quicker establishment at a lower cost but meeting the required tight deadlines. Limitations were around quality of server (QOS) and being unable to guarantee performance as transport was over the internet via ipsec vpn.
* Preferred solution utilised NTT Europe (part of the NTTData family) and establishing a physical route going over the NTT Europe backbone and NTT Bangalore infrastructure. New circuits had to be established to ensure an end to end connectivity solution but with a higher cost associated and longer league time implement.
* Tactical solution was design and deployed with NTT Bangalore (NTT America’s) and Telefonica / O2 technical engineers on time with the option to move to the preferred solution when required.

**NTT TECHNICAL SAN ARCHITECTURE – UHL NHS LEICESTERSHIRE**

**July 2016 – June 2017**

SAN / Storage software integration – Initial engagement to compile report on health of Storage Infrastructure at UHL Datacenter. Engagement moved to transformation work for existing Storage Environment and various threads of work relating to key infrastructure upgrades to application environment protection and stabilisation work to address legacy issues and problems.

* SAN performance / reporting / capacity planning improvement work to existing practices.
* Design and implementation of SnapVault backup solution to move existing backup environment off HP Data Protector to NetApp SnapVault.
* Implementation / Design of SnapCenter implementation to manage backups and integrate them in single pane of glass.
* Implementation of Monitoring environment NetApp OnCommand Unified including performance manager to enable seamless reporting and performance monitoring.

**NTT TECHNICAL SAN ARCHITECTURE – HMT**

**July 2015 – July 2016**

SAN / Storage solution software integration – transformation hand over work to support from Project status

SAN performance / reporting / capacity planning improvement work to existing project status

**April 2014 – April 2015**

Storage Architect at ISN solutions – ISN are IT Strategy and Solutions provider for upstream oil and gas.

Working on various storage solutions, covering the full lifecycle. From customer engagement to design / project resource management / documentation and handover to support.

Examples of solution work include Afren Datacentre solution, customer data migrating from existing onsite datacentre solution to a new full redundant offsite datacentre. Afren were migrated from an existing 7 mode NetApp HA environment to a fully Clustered Ontap / UCS solution + DR.

Wintel environment primarily migration of wintel file servers + existing cifs storage to new datacenter + application and virtual environment migration + scripting recovery processes + full solution documentation for handover. All following ITIL and Prince 2 procedures.

New datacentre provisioned in a highly available site with Highly Redundant Arrays + Clustered Data Ontap providing a unified scale out storage platform (FC/FCOE/ISCSI). Also new platform gave the customer a clear upgrade path option to private, public or hybrid cloud in the future

Internal Data Centre solution, utilising UCS / Mini + Hybrid FAS 25XX series NetApp. Upgrade of existing internal environment + migration to a new hybrid array offering a unified architecture + capacity boost to workloads with Flash Technology. Also, datacentre re-located to a new facilitate which allowed a better controlled environment for the equipment. Wintel environment migration from existing data centre to new data centre + scripting + documentation in ITIL environment.

Documentation formed large part of hand over procedure.

Other streams of work included internal work on improving internal storage resource management improving internal monitoring/utilisation / reporting allowing support staff to respond more efficiently and effectively to customer SLA’s and business change requirements.

Installing a more predictive analytical approach over the old reactive non-analytical approach by utilising latest tools to allow accurate data trending / monitoring.

**May 2013 – March 2014**

Storage consultant at Hardy Underwriting contracting through The Internet Group.

Hardy Underwriting were experiencing various problems with their Storage / VMware / NetBackup infrastructure which had been implemented approximately 1 year prior to my engagement. I was brought in to address these issues which were affecting many streams of work / projects being undertaken at Hardy Underwriting.

The main concern was the performance issues with the NetApp environment and VMware infrastructure. Hardy Underwriting had migrated away from all physical servers to FAS3240 Clusters + V3240 Clusters at the DR site. They had implemented HP 2 x C7000 chassis’ using HP Virtual Technology on multiple BL460C G6 blades for the virtual environment. Hardy’s were also using SnapMirror to DR site + VSC4.0 for virtual machine / datastore backups + NetBackup 7.5 + deduplication to archive critical data to tape and take offsite. VMWare Site Recovery Manager + SRA NetApp plugins for DR solution.

Various streams of work had to be undertaken to re-engineer their current layout / environment following best practices. Performance analysis and monitoring had to be implemented / upgraded to allow the performance to be monitored closely using the NetApp OnCommand suite of products.

DR invocation testing was also undertaken as part of the yearly tests Hardy undertake to test their recovery process + recovery documentation.

Staged upgrades were undertaken to blade memory / ESX servers /vSphere to improve the performance of the environment to cope with the constantly increasing performance requirements.

All the changes were documented to reflect the new changes.

**Jan 2013 – April 2013** Travel / work in Asia

**July 2012 – Dec 2012 Storage Consultant ControlCircle**

Storage Consultant projects team. Working across on accounts dealing with storage related pre-sales engagements / implementation and post implementation.

Duties included attending pre / post sales meetings to engage with customer on technical issues and also to ensure projects kicked off successfully.

I worked across various projects. Translating basic design solutions to technical solutions, which then could be implemented?

Implementation of the technical solutions involved working on the full lifecycle of the storage implementation and working with various ControlCircle technical staff / customer to implement working solutions within the ControlCircle Datacentre environment.

Day to day I was working with various project managers across different accounts.

Additional duties involved documenting solutions and working with the customer to migrate their existing data over to the new managed / secure data centre environment which Control Circle offer.

Solutions worked on were NetApp based solutions utilising the Control Circle secure datacentre multi vlan environment. Solutions covered VMware / DRS / SRM / SRA / SnapManager Exchange /SQL / VMware / Virtual Storage Console / VFilers / SnapMirror /SnapVault. Utilising NetApp and VMware best practices. Major Mapping company fileserver / data centre migration into the Control Circle secure datacentre environment.

**May 2012 – June 2012 – Travel Across SE Asia**

**Jan 2012 – April 2012**

**NetApp Consultant (thru Connections Recruitment)**

Onsite NetApp consultant onsite NetApp contract working for Connections Recruitment.

My responsibilities were to give technical consultancy /assistance on the customers NetApp estate.

Duties included helping with project work, upgrading NetApp Operations manager to the OnCommand suite of Operations manager. Improving the build process for the customers Data Centre’s and documenting and helping with the NetApp arrays and multipath disk configurations.

Improving process and also management of the NetApp estates and also giving technical assistance where necessary.

The onsite presence was for a 3-month period while the customer was also taking on additional staff to support the NetApp estate.

Due to an NDA limited details can be given about this client.

**Hobbies**

I am interested and participate in several sports running, weights and also some kick boxing for fitness. I also enjoy reading and have interest in anything Information Technology or security related. I have undertaken the first year of my Information Security Course at the Royal Holloway.

I also enjoy travelling and have extensively travelled and worked in Asia having extensively travelled in China, Singapore, Thailand, and Malaysia.

**References**

References are available on request

Projects

