Christopher J. Scull Jr

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Professional Experience

cStor, Inc. (Custom Storage) Data Center | Cloud Computing | IT solutions Phoenix, Arizona

09/14 – 06/19 **System Engineer Implementation**

- Pre-Deployment discussions around networking, compute and virtualization with open whiteboard session.
- Choosing the most effective options for the three infrastructure components while following industry best practices with consideration of individual client needs
- Resulting in the elimination of silos and a focus on the larger picture when dealing configuration attributes/options.
- Ensuring they will work best for the entire system. Using a holistic approach to solving the demands of an ever evolving and challenging application and devops team.
- Designed and implemented many solutions with Cisco network and data center projects, including Nexus 9000, 5000, 3000, and 2000 in multi-vendor server and VMware environments
- Expert knowledge of VMware vSphere & related products. Design\deploy\upgrade\migrate various vSphere\vCenter environments from very small to multi-site
- Utilize multiple technologies to deploy ESXi whether boot from SAN via Cisco MDS switches (Zoning) for fiber channel, iSCSI, and boot from SD cards. Deploying on multiple compute platforms. Including Nutanix, Dell, and Cisco UCS.
- Building High available fault tolerant systems that include extensive failure testing prior to going live
- Providing client confidence in their infrastructure to maintain patch levels and ensure firmware is up to date
- Building Hyperconverged low initial upfront cost systems allowing for easy access to cloud technologies
- Expert at deploying Nutanix hyperconverged systems including migration from legacy systems Hyper-v.
- Explaining the advantages of running primary and mission critical applications on site while other lower priority application can be offloaded to the cloud at a much lower cost
- Present demonstrations of Nutanix Calm building out small app, database, load balancer, web server environments.
- Assessing client infrastructure and virtualized environments for potential performance and/or degradation issues. Capacity planning for future expansions.
- Gather all information and present findings and suggested remediations
- Mentored Junior Systems Engineers to build and develop their skills.

Avnet, Inc. (NYSE: AVT) Cisco® Unified Computing | Networking System Phoenix, Arizona

09/13 – 09/14 **System Engineer Technical Consultant**

- Created documentation for defining data center converged infrastructures by using lab gear to test and confirm validated of converged infrastructures running mock workloads
- Using knowledge of experience testing converged technologies in the lab.
- Responsible for creating instructional guide documentation for manufacturing floor integration center This would include creating cabling diagrams and cable tables for guidance during.
- Designed rack elevation diagrams providing complete visual of infrastructure design Data Center Proposal Improved efficiency to the build guide documentation by simplifying steps
- Sap Hana Database software deployment using Linux open-source operation system modelled on UNIX
- Supported production floor Technicians when integration issues arise with system configuration

08/11 – 09/13 **System Engineer Solution Design Specialist**

Architected system configurations based on customer requirements for unified Data Center computing • Provided pre-sales technical support with resellers and channel sales in order to shorten the sales cycle • Lead internal training sessions educating sales personnel on virtualization fundamentals • Developed demonstration center to highlight Cisco technology through interactive hands on environment with Telepresence Communication

Arizona Public Service (APS): Information Systems Phoenix, Arizona

06/09 – 05/11 **Energy Engineering Efficiency Audit Intern**

- Designed, built, and implemented database structures using TSQL and MySQL
- Enhanced database implementations using PHP, increasing data utilization with VB driven Graphical User Interface
- Automated Energy Savings Rebate Applications by extracting data and populating supporting applications

06/08 – 06/09 **Information Systems Security Operations Analyst Intern**

- Generated Security Group and Distribution List (Members/Owners) which enforce information systems integrity
- Formed Shared Network Drive Folders with different permission levels including Read/Write/Modify
- Configured Remote Access using Citrix Remote Desktop Connection (RDC) access / Internal RDC Access / Cisco® VPN

Education

Graduation May 2011 — **Arizona State University**, Tempe, Arizona
Bachelor of Interdisciplinary Studies
Discipline: Business (BS) / Communication — Minor: Computer Sciences Informatics (CS)

Skills & Expertise

Proficient Command line interface (CLI) NX-OS, IOS, nCLI, aCLI, esxcli - Unix vi - Experienced in MySQL, TSQL, PHP, and Visual Basic - Intermediate Level Understanding C++ Programming Language - Expert understanding of powershell for automation and information gathering Proficient in Windows based LDAP (Active Directory) - Adept in HTML, Macromedia Dreamweaver MX -Proficient in PowerTool UCS Manager Automation - Basic Python Experience - Lab deployment of Cisco ACI, VMware NSX, and VMware NSX running on Cisco ACI

Certifications

- Cisco® Certified Network Professional (CCNP) Routing and Switching
- Cisco® Implementing Cisco Data Center Unified Fabric (DCUFI)
- Cisco® Data Center Unified Computing Design (DCUC-D)
- Cisco® Data Center Unified Computing Support Specialist(DCUC-I)
- Cisco® Implementing Cisco Data Center Unified Fabric (DCUFI)
- Nutanix Platform Professional (NPP)
- VMware Certified Professional 6 (VCP) Data Center Virtualization

Several Deployment Projects (More upon request)

Financial Institution

- Deployed Cisco Nexus 6004,5548, and 2200 into new Data Center Pods
- vPc to 6 redundant Netapp storage controllers
- High Available Fault tolerant
- Fabric path using vPc+ for several of the Data Center pods with links to spine Nexus 7000

Arizona Department of Economic Security (DES)

- Deployed 37 UCS Blades into 8 Chassis – including 4 link cabling to each IOM
- Configured vHBA for Boot from SAN Fibre Channel
- Configured Uplink MDS switches to link to storage with Data and Boot Zones
- Disjointed layer to environment isolating NFS traffic to a separate network and a pair of Nexus 3000
- Configured vNICs for Network connectivity and iSCSI
- Deployed VMWare ESXi to all host within UCS environment

Arizona State Land Department

- Designed and deployed Cisco UCS Fabric Interconnects connect to C-Series rack mounted servers using UCS manager
- Direct Attached Fibre Channel IBM storage array using Fabric Interconnects
- Zoning configured using Fabric Interconnects and UCS Manager
- vHBA and Boot From SAN deployed and tested with Linux operating system

EMCOR

- Deployed pair of Nexus 9000 Data Center
- Non-Disruptive UCS Fabric Interconnect, Chassis, IOM, Blade Server Upgrade from firmware version 3.3 using vMotion and high availability within the Fabric Interconnects and IOM.

Sagicor

- Deployed pair of Nexus 9000 using vPc to create fault tolerant high available environment
- Link to Cisco C-Series rack mounted servers running Windows Server 2012
- Configured NIC Teaming and LACP on Windows Server 2012 to allow for virtual port-channel (vPc) from Nexus 9000 to pass traffic correctly.
- Create Raid groups for Cisco C-Series internal storage

New Mexico Hospital

- Multi cluster Nutanix install with replication to DR site for VDI deployment
- Migration from existing platform to Nutanix