**ASHOK RAJ VEETA**

EMAIL : [veeta2001@yahoo.com](mailto:veeta2001@yahoo.com)

PH:9794884494

**Profile**

A  Self-Starter, Self-Motivated, Self-Directed  professionally qualified versatile person with extensive knowledge and skills in various fields of computer sciences; holding more than 15 Years of IT Industry experience which include 6 Years in System Administration, Networking, storage area networks(SAN), Backup and Disaster recovery. 6-8 years in IT application support positions with high-level problem solving. Have excellent organizational skills and multi-tasking ability. Strong customer focus and results oriented. There to learn new technologies and applications. Interoperate with other technical departments. Have the High ability to communicate effectively with internal and external customers, possessing a wide range of technical knowledge. I am Self-motivated and able to work independently on multiple group projects. Have the Ability to maintain a positive and cooperative attitude in sometimes stressful situations. Got proven skills leading complex projects independently, analyzing and troubleshooting complex system configurations. Strong project management skills with the ability to prioritize competing project timelines. Acquire Innovative ways to resolve problems. A Effective team player willing to assist others, when needed. Deserve the ability to represent the department from a technology perspective. A vast Experience in Coordinating planning, installing and maintaining the storage systems in multiple data centers.

**Objective**

To work with a company which can utilize my skills in the fields of expertise and provides open and conductive work environment plus challenging job opportunities, and gives exposure and implementation of emerging new technologies.

**TECHNOLOGIES**

|  |  |
| --- | --- |
| **Cloud Computing**  **Storage/SAN** | VCE, Flexpod, UCS, Vmware Cloud Director 5.5, Vblock300FX, Vblock 700 Microsoft Hyper-V |
| High End Disk Systems | EMC VNX5500,Symmetrix DMX Series, DMX1000, DMX2000, DMX3000, VMAX,vEMC Clarion CX/CX3 Series, CX3-20, CX3-40, CX3-80,VNX 5100, NetApp FAS-270, FAS-2020, FAS-3020C,FAS-6040, FAS 6080, VSERIES 6040, Hitachi AMS-1000, USP600,HP EVA4400, SunStoragetek, IBM DS 8700,DS6800, 3PAR StoreServ 7000 |
| Tape Backup Systems | NetApp NearStore VTL600,IBM 3494 Library, HP & Storagetek, Ts 3500 Tape library, EMC Legato Networker 7.6.1, EMC Avamar, Symantec Netback 6, IBM TSM 6.1 |
| Switches | Brocade Silkworm 200E, 4100,5100,Cisco MDS-9124, MDS-9134, Nexus 5010, Nexus 5020, Nexus 7000, Mc-data. |
| Routers | Silkworm Multiprotocol Router *AP7420* |
| NAS | Netapp Storevault 300, Celera NS480//VNX5500 Series,IBM NASGateway 300/500 G. |
| SAN Management | DataOntap 7.1, DataOntap7.3.1, DataOntap 8.0 cluster mode,EMC Control Centre, Visual SAN, Data Fabric Manager, Filerview, Brocade Fabric Manager, SAN Health, Fabricwatch. BURA(Tivoli Storage Manager),Hitachi Storage Navigator, Hitachi HiTrack, Hitachi Device Manager, Hitachi Tuning Manager, Hitachi Replication Manager, Symantec Antivirus for fiber IBM SVC, IBM XIV,  3PAR InServ Management Console 4.1(System Manager, Host Manager, Provisioning Manager, Event Manager, Hardware Inventory Manager, Layout Grid Manager, Performance Manager, Remote Copy Manager, Security Manager, Task Manager.) |
| Data Protection | SnapVault(OSSV),MetroCluster,ReplicatorX,TSM, Legato Networker 7.6.1, EMC Avamar Veritas netBackup5.0, CommVault QiNetix Galaxy Backup Software Ver 6.0, Hitachi True Copy, Hitachi Shadow Image, SnapManager for Oracle, Snapmanager for sharepoint, SnapManager for SQL, SnapManger for Micorsoft Exchange. Protection Manager, EMC Open replicator, EMC Sancopy, EMC Timefinder. IBM TSM 6.1, EVA Continuous Access |
| Volume Management | FlexVol, FlexClone, MultiStore, StorageScope,  ECC, Oncommand Suite, Device Manager, Tiered Storage Manager, and Tuning Manager |
| **Networking** |  |
| WAN | Cisco Routers |
| LAN | Cisco, 3Com & Nortel Switches, ASR1000, 3750, 6500, 7600)  , OTV, Fabric Path, OSPF, STP ,IGP, BGP,RIP,EIGRP, IS-IS, Nexus 1K, Nexus 5K, Nexus 7k, Nexus 9000 |
| Network Management | HP NNM & Cisco Works |
| Design Tools | Microsoft Visio 2003 |
| **System Administration** |  |
| Unix | Redhat Linux4, Solaris10,Aix 5L |
| Windows | Windows 2000/2003/2005/2008 Server |

**Corporate Trainings**

* EMC SAN Clarion Navisphere
* EMC Unisphere Manager
* EMC SAN Symmetrix ECC ControlCenter training
* EMC SAN Design Foundations
* EMC Industry best practices
* 5 days training in EMC SAN Zoning
* Brocade Silkworm Administration and Diagnostic.
* Brocade Multiprotocol Router Training.
* Architecting VMware Solutions on NetApp Storage
* FAS 2000 series Hardware Maintenance
* Fibre Channel Switching Concepts
* Fiber Channel SAN troubleshooting.
* Nearstore R200 Series Hardware Maintenance Supplement
* VCP training from HP
* Operation Manager administration
* Performance issues and management on SAN and NAS

**Certifications**

* EMC Proven Associate Professional Certification
* Microsoft Certified System Administrator on Microsoft Windows Server 2003
* Microsoft Certified Professional on Microsoft Windows Server 2003
* Microsoft Certified System Engineer on Microsoft Windows Server 2003
* Microsoft Certified System Administrator on Microsoft Windows Server 2003
* Microsoft Certified System Administrator : Messaging on Microsoft Windows Server 2003
* Cisco Certified Network Associate
* Comptia A+
* NetApp Certified Data Management Administrator(NCDA)
* NetAPP Certified Implementation Expert(NCIE)
* VCP(Cloud)
* HDS Certified Implementation Specialist
* Red Hat Certified System Administrator(RHCSA)
* Oracle Certified Associate(OCA)
* **IBM High Volume Storage Specialist.**
* IBM Certified Storage Administrator
* Symantec Certified Veritas Storage Foundation for UNIX

**DELL (Remote) Feb 2014 - Nov 2015**

SENIOR VMWARE ARCHITECT

VMware Infrastructure design and planning involving large scale clusters

Design and Validate UCS, NetApp and VMware Solutions (**FlexPod**)(Vblock)

Deployed and Installed Flexpod.

UCS Central installation and management..

VCloud Director Administration

UCS Director management.

Deployed and installed Vblock

Vcloud Director Configuration

Nexus 1000V configuration and installation.

Vrealize configuration and implementation

Vcloud director maintenance

vCAC deployment

Upgraded VCE-RCM

Vcloud director deployment.

Confiugred Role-Based Access Control, San connectivity, Lan connectivity, on UCS.

Created and Associated Service profiles, Mobile service pools,MAC pool, WWNN pool, WWPN pool, UUID Suffix pool, Manually populated Server pool, Uplink port profile, Data port profile, on UCS.

Backed up and Imported UCS configuration Data.

Installed VMware Vsphere and Vcenter, Cisco Nexus 1000V VSM

Configured N-Port ID Virtualization (NPIV) technology to provide independent management for each virtual machine.

Configured Cisco N-Port Virtualization (NPV) and fabric-port (F-port) trunking and channeling .

Installed FlexAttach feature for server deployment and movement without SAN reconfiguration.

Upgraded OS and firmware.

Troubleshooting using: POST diagnostics, Online diagnostics, Internal loopbacks, SPAN, Fibre Channel trace route, Fiber Channel ping , Fiber Channel debug, Cisco Fabric Analyzer, Syslog, Port-level statistics

VSAN fabric isolation.

Conduct VMware Virtualization Assessments to recommend consolidation scenarios and project cost savings associated with virtualization.

Define and implement comprehensive automation processes for VMware, including creating scripts for recurring system tasks and DR Failover activities.

Develop and maintain technical documentation (design specs, architecture, configuration diagrams, standard operating procedures, processes, standards, site reference, etc.)

Promote new ideas, strategies, technologies and concepts which improve quality and reduce costs.

Conduct environmental evaluation, coordination activities, scheduling, and execution of migrating hosts to the virtualized environment.

Develop and maintain system resiliency, business continuance and disaster recovery strategies, methodologies and procedures.

Provide training and ongoing support to other engineers.

Continually evaluate better ways to monitor VMware environment and recommend solutions to improve efficiencies. Develop and maintain system resiliency, business continuance and disaster recovery strategies, methodologies and procedures.

VMware design for medium and large data centers.

VMware deployment and administration of ESX 4x,5x,6x

Installation and configuration of ESX / ESXi 3x, 4x, 5x

VCenter 4x, 5x installation and management.

Vsan configuration on five Hosts.

Vdswitch implementation and configuration.

VRealize Automation deployment

VRealize Automation Administration.

Vcloud Director deployment and administration.

Back-up virtual machines as well as DR strategies utilizing VMotion, HA, SAN snapshots, LUN replication, etc.

Hands-on experience with Virtual Machine distribution.

Hands-on experience with physical to virtual conversions using native tools and/or third party products.

Proven implementation experience with all high availability features of Esx 5.5 / vSphere including VMotion, HA, Virtual SMP, DRS, Vdswitch design, advanced performance troubleshooting, command line utilities

High knowledge of the VMFS file system (including configuration and management), creating clones, images and templates, resource allocation, resource pools, and system monitoring.

Implemented VMware Virtual Switch technology configuring port aggregation, NIC teaming/bonding, VLAN trunk, port groups.

Designed and implemented vSphere 4x, 5x, 6x with shared storage (eg. fiber channel, iSCSI, NFS or CIFS. RDM vs VMFS) Implemented strategies for performance and optimization across logical and physical network topologies.

Strong skills for Intelligent packet inspection at port level.

Expert Cisco router and switch installation and troubleshooting experience.

Good Experience designing a Cisco Nexus environment

Troubleshooting experience utilizing protocols BGP, OSPF, and EIGRP

vROps 6.1 Upgrade, Configure and implement the vRealize Operations Manager, vRealize Infrastructure Navigator, vRealize Hyperic and vRealize Log Insight products

Inventory the existing legacy vCenter Operation Manager instances

Upgrade existing vCenter Operations Manager

Deploy a vRealize Operations Manager 6.0 environment

Establish data collection for design and planning purposes post the deployment of vRealize Operations Manager 6.0

Migrate existing collected data from the in-place vCenter Operations Manager version 5.8.1 to the new vRealize Operations Manager 6.0 deployment

Replicate existing dashboards and metrics as needed from the existing vROps 5.8.1 environment to the new vROps 6.0 environment

Conduct comprehensive documentation and compatibility validation of existing adapters, management packs, and data feeds/third-party applications, policies, super metrics, and groups.

Initiate data and configuration migration procedures

Conduct a design workshop to design, implement, and visualize metrics, key performance indicators, tagging, super metrics, and dashboards to replicate the functionality and capabilities of the existing vCenter Operations Manager instances when possiblevRealize Operations Manager 6.0 product knowledge transfer including discussion of foundation use cases and review of configured environment.

Validated vRealize Operations Manager environment and conduct a validation workshop to review the results

VMware virtualization, cloud, and management products and solutions (vSphere, vCenter, vCloud, vShield/vCNS,vCOPS etc.) .

Experience in managing performance and availability of mission critical applications, with a focus on virtualized environments.

Knowledge of broader network infrastructure components (e.g. TCP/IP, Active Directory) Programming/Scripting skills preferred (e.g. Java, Perl, shell, SQL

Enterprise applications implementation experience preferred (e.g. web, ERP, CRM, SFA)

Architect and support the VMware infrastructure.

Good understanding of the following: Active directory, File and Print service, standing of Window security, Data Protection Manager (DPM), PowerShell.

Familiar with utilizing SAN storage for VMware ESXi servers.

Strong understanding of VMware vSphere and ESX technologies: VCD, SRM, vCOPS, AutoDeploy, Distributed Switches

Plan, Design and Architect and Support VMware Components that include – Vmware Vceneter, Windows Servers and Clusters

Diagram and make presentations to Sr. Mgmt.

Provide suitable documentation for Engineers to be able to build from this design documentation

Physical to Virtual and Virtual to Virtual migration experience

VMware ESX/ESXi server installation, upgrades, HA/DR experience

VMware migrations for vSphere 3.X, 4.X to 5 experience

Microsoft Virtualization (Hyper-V 2008/2012)

Physical to Virtual and Virtual to Virtual migration scenarios

Experience with blade server infrastructure: Cisco B class, HP Proliant-500 series (G7)

Installation, maintenance, and configuration of VMware ESX/ESXi, SRM and vCenter

**EMC( COLUMBUS OHIO) FEB 2013 – JAN 2014**

**STORAGE MANAGER**

Analyzed customer's business and technology objectives by asking probing questions that are relevant to the customer in order to collect information that enables the sales team to be more effective and responsive to customers’ needs.

Documented the portfolio of compelling sample reference architectures that demonstrate the value of VMware,

Cisco, and NetApp solutions in real-world scenarios.

Documented client feature requests and issues, provided feedback to sales and products management.

Developed in-depth technical knowledge of VMware, Cisco, NetApp and domain expertise within technology subject area.

Assumed the role of an advisory leader organizing a team of subject matter experts, collaborating on issues and

solutions as well as collecting information on industry trends, customer requirements and competitive analysis.

Assist in the development of the SE organization by providing subject area training (knowledge transfer) to fellow

Systems engineers; create the necessary training materials when appropriate. Participate on a consistent basis in the SE discussion forum. Created vCloud Director Server Group.

Configured Network and Database connection for Vcloud Director.

Upgraded vCloud Director Database,

Upgraded Vshield, vCenter and ESxi Hosts for Vcloud Director.

Use the cell management tool in Vcloud Director

Build Customer Relationships (Technical Advisor Role) Technical Competency. Business Awareness Teamwork/Leadership,

Business Analysis: Respond to RFQ/RFP/RFIs  Project Type: Software Implementation/IT    
Technical Design and Analysis: Serve as the technical first point of contact for client

Installed and Configured UCS manager.

Configured Fabric interconnects.

Configured Nexus family of switches(7000,5000,2000,1000v).

Designed, Implemented heterogonous storage migration’s.

24x7 support to Globally located junior storage administrators.

Installed and configured Vfilers(V-3120)

Installed and upgraded DataOntap 8.0

Tweaking and Tuning Netapp filers on SAN and NAS.

Documented Pre and Post Environment.

Advised customer’s on New Technologies.

Administer OnCommand System Manager

Used OnCommand Report for reporting

Installed and Administer OnCommand Unified Manager

Inventory data collection using OnCommand Insight/Netapp Data Collector.

Designed Netapp Storage using NetApp Synergy 5.2

Configured VNX SP Memory, SP cache settings.

Created VNX Pools, Raid groups, Traditional luns.

Configured windows and linux host to access the VNX luns.

Created Storage Groups for Windows and linux for iscsi hosts.

Configured Networking on VNX using LACP

Setup the NFS file system and permissions on VNX

Cifs implementation on VNX by creating cifs server and cifs shares.

Created Snapview Snapshot with EMC Unisphere on Windows.

Created a Clone using EMC Unisphere.

Replicated file system from netapp to vnx using rsync and robocopy, securecopy.

Replicated Windows, unix hosts( nfs and block) on Heterogeneous Storage

**Dataontap Clustermode:**

Configured VServer.

Deployed Cluster Mode on FAS6080, FAS3140.

Scale-out Clustered systems by adding disk-shelves and nodes.

Upgraded Dataontap Cmode 8.0.0 to Dataontap Cmode 8.0.1

Created Resource pool for 4 node clustered systems.

Migrated hardware and logical devices from DataOntap 7G to DataOntap 8.0 Cluter-mode.

Configured Cifs and nfs on Cluster-mode.

**CHASE**

**Senior Storage Architect(Columbus, Ohio) DEC2011- JAN2013**

Designed MDS-9148 in Hyper environment

Installed and deployed MDS-9148 from the scratch

Configured soft and hard zoning, Domain ID,Interface, Device-Alias, VSAN, CPIP DR links, IVR, fiber channel over

Ethernet.

Connected devices to MDS-9148Installed, configured, and Supported ESX server, Lab Manager, vSphere, vCenter.

Scripted and automated configuration (Power Shell), Virtual networks fencing, standard/distributed switches, Linked Clones, Thin Provisioning, and Consolidating Linked VMs.

Configured Snap drive on Windows and Unix Servers.

Implement and configured Flex clone Volumes for the Test environment.

Implemented deduplication for space management.

ESX Command-Line Troubleshooting Methods using SSH access.

Porting VM between different VMware Products and Versions.

VMware ESXi server 5.x, App Director, Data Director.

vCloud Director

vShield Director

vPostgres

VMware Orchestrator

VMware vCenter,

VMware Data Protection

P2V & Consolation (Both Physical and VM).

Installation and Administration of Linux, and windows servers OS.

Troubleshooting performance problems.

Experience in coordinating with OEM vendors (VMware and HP).

Experience in coordinating with teams for scheduling periodical maintenance on all hardware.

Conduct software product installation, configuration management, maintenance, testing and documentation of VMware and related products.

Lead VMware virtualization engineering and support activities.

Resolve problems, conduct advanced research, and identify product/service innovations.

Conduct VMware assessments & Health checks to ensure appropriate resource allocation, system reliability and availability, sufficient capacity and optimal performance.

**WesternUnion**

**Storage Architect(Charlotte,NC) SEPT2011- DEC2011**

# Installed and Configured NetApp Filers FAS-6070, FAS-6080,Vseries 6040

* Connected Filers to fibre Channel Network, Ethernet network.
* Installed Snap drive for unix on Aix Server, Solaris Server, Windows Server, Linux Server.
* Installed and Configured Snap Manager for Oracle Sql, Sharepoint and Microsoft Exchange.
* Installed, configured, and Supported ESX server, Lab Manager, vSphere, vCenter.
* Scripted and automated configuration (Power Shell), Virtual networks fencing, standard/distributed switches, Linked Clones, Thin Provisioning, and Consolidating Linked VMs.
* Configured Snap drive on Windows and Unix Servers.
* Implement and configured Flex clone Volumes for the Test environment.
* Implemented deduplication for space management.
* ESX Command-Line Troubleshooting Methods using SSH access.
* Porting VM between different VMware Products and Versions.
* VMware ESXi server 5.x, App Director, Data Director.
* vCloud Director
* vShield Director
* vPostgres
* VMware Orchestrator
* VMware vCenter,
* VMware Data Protection
* P2V & Consolation (Both Physical and VM).
* Installation and Administration of Linux, and windows servers OS.
* Troubleshooting performance problems.
* Experience in coordinating with OEM vendors (VMware and HP).
* Experience in coordinating with teams for scheduling periodical maintenance on all hardware.
* Conduct software product installation, configuration management, maintenance, testing and documentation of VMware and related products.
* Lead VMware virtualization engineering and support activities.
* Resolve problems, conduct advanced research, and identify product/service innovations.
* Conduct VMware assessments & Health checks to ensure appropriate resource allocation, system reliability and availability, sufficient capacity and optimal performance.
* Conduct VMware Virtualization Assessments to recommend consolidation scenarios and project cost savings associated with virtualization.
* Define and implement comprehensive automation processes for VMware, including creating scripts for recurring system tasks and DR Failover activities.
* Develop and maintain technical documentation (design specs, architecture, configuration diagrams, standard operating procedures, processes, standards, site reference, etc.)
* Promote new ideas, strategies, technologies and concepts which improve quality and reduce costs.
* Conduct environmental evaluation, coordination activities, scheduling, and execution of migrating hosts to the virtualized environment.
* Develop and maintain system resiliency, business continuance and disaster recovery strategies, methodologies and procedures.
* Provide training and ongoing support to other engineers.
* Continually evaluate better ways to monitor VMware environment and recommend solutions to improve efficiencies. Develop and maintain system resiliency, business continuance and disaster recovery strategies, methodologies and procedures.
* Hands-on experience with VMware VI3 / sphere; installation and configuration of ESX / ESXi 3x, 4x and vCenter3x,4x. back-up virtual machines as well as DR strategies utilizing VMotion, HA, SAN snapshots, LUN replication,etc.
* Hands-on experience with Virtual Machine distribution.
* Hands-on experience with physical to virtual conversions using native tools and/or third party products.
* Proven implementation experience with all high availability features of VI3 / vSphere including VMotion, HA, Virtual SMP, DRS, Vswitch design, advanced performance troubleshooting, command line utilities, working knowledge of the VMFS file system (including configuration and management), creating clones, images and templates, resource allocation, resource pools, and system monitoring.
* Implemented VMware\*s Virtual Switch technology; port aggregation, NIC teaming/bonding, VLAN trunking, and port groups, (both logical and physical storage topologies).  
  Solid understanding of storage technology and how VI3 / vSphere is implemented with shared storage (eg. fiber channel, iSCSI, NFS or CIFS. RDM vs VMFS) strategies for performance and optimization across logical and physical network topologies.
* VMware Infrastructure design and planning involving large scale clusters.
* Designed and Implemented Disaster Recovery strategy.
* Hitachi Basic Operating System
* Hitachi Basic Operating System V
* Hitachi Dynamic Link Manager Advanced
* Hitachi Dynamic Provisioning
* Hitachi Storage Services Manager
* Hitachi Tiered Storage Manager
* Hitachi Tuning Manager
* Hitachi Data Discovery Suite
* Hitachi Shadow Image®
* Heterogeneous Replication
* Hitachi TrueCopy®
* Synchronous remote replication
* Hitachi Universal Replicator
* Hitachi Replication Manager
* Hitachi Business continuity Manager
* Virtual tape Library Solutions by hitachi data Systems
* Hitachi Data Protection Suite, powered by CommVault®
* Hitachi Copy-on-Write Snapshot X
* Hitachi Storage Capacity Reporter, powered by APTARE®
* Storage Platforms
* Hitachi High-Performance NAS Platform, powered by BlueArc®
* Hitachi Essential NAS Platform®
* Hitachi Content Archive Platform
* Hitachi Universal Storage PlatformTM V
* and Universal Storage Platform VM
* Hitachi Adaptable Modular Storage 2000 family
* Hitachi Adaptable Modular Storage family

**HEWLET PACKARD**

**STORAGE ARCHITECT(Dublin, OH)** SEPT2008-SEPT2011

* Implemented Metro Cluster on FAS 6070 systems.
* LuN Export to iscsi and fcp environment.
* Upgraded DataOntap to 7.3.1 from the Aix client.
* Data ontap 8.0 upgrade without any down time.
* Implemented thin provision to reduce overhead.
* Open system Data Migrations( Oracle and Sql databases)
* Zoned various hosts using Soft Zoning.
* Upgraded the Disk firmware
* Upgraded the Shelf firmware
* Extra Disk shelf installation without any downtime.
* Scheduled Snapshots for various environments.
* Layout the cables from Filers to the switch and clients.
* Replaced defective ESH modules.
* Replaced defective power supply.
* Configured Looping on the fcp Disk Shelf’s and Sas disk shelf’s
* Restored Oracle Tables using Snaprestore.
* Fixed Compact Flash card Error by replacing the control panel subassembly.
* Fixed invalid Clock by replacing the motherboard battery.
* Updated the System firmware to a version that contains an updated microcode database,
* Installed and configured NearStore R200
* Used Operations Manager for managing and monitoring SnapVault and Open Systems SnapVault disk-to-disk backups.
* Installed and configured Protection Manager, Provisioning Manager
* Installed and Uninstalled DataFabric Manager on the different systems.
* Refreshed data using SnapMirror, SnapShot whenever needed.
* Installed iSCSI software and SnapDrive 3.0 software on windows 2003 Server and Aix server
* Configured Network Appliance SnapVault software for regular backup data stored on NetApp or any other storage platform to Network Appliance enterprise storage and NearStore systems, providing a centralized disk-based backup solution for heterogeneous storage environments.
* Created LUNs and Volumes across a large pool of disks and one or more RAID groups using FlexVol.
* Performed automatic, incremental data replication between systems: synchronous or asynchronous using SnapMirror.
* Created Luns using IBM SVC
* Virtual disk mirroring through SVC
* Used existing luns by Image mode.
* Data migrations by vdisks from Mdisks.
* Replication using disk mirroring and flash copy.
* San Volume controller Initial setup and configurations.
* Created cluster using service panel.
* Configured the AIX hosts
* Running SVC commands from an AIX host system
* Configured HBAs for IBM System p hosts, Configured for fast fail and dynamic tracking, Subsystem Device Driver (SDD) Path Control Module (SDDPCM)
* Discovering the assigned VDisk using SDD and AIX 5L V5.3 Using SDD .
* Creating and preparing volumes for use with AIX 5L V5.3 and SDD
* Discovering the assigned VDisk using AIX V6.1 and SDDPCM, Using SDDPCM
* Creating and preparing volumes for use with AIX V6.1 and SDDPCM
* Expanding an AIX volume
* Removing an SVC volume on AIX.

**OHIO DEPARMENT OF TAXATION(Columbus,OH)** March 2005 – May 2008

**SAN/Backup Administrator**

**Roles and Responsibilities**

# Installed and Configured NetApp Filers FAS-2020, FAS-6040.

* Connected Filers to fibre Channel Network, Ethernet network, DAFS network, Remote management card, third-party SCSI tape backup devices.
* Fixed CompactFlash card Error by replacing the control panel subassembly.
* Fixed invalid Clock by replacing the motherboard battery.
* Updated the System firmware to a version that contains an updated microcode database,
* Installed and configured NearStore R200
* Used Operations Manager for managing and monitoring SnapVault and Open Systems SnapVault disk-to-disk backups.
* Installed Networker Server.
* Installed Networker Clients.
* Installed Networker Storage Node.
* Installed Networker Management Console.
* Installed Networker License Manager.
* Used Unisphere for creating volumes on celera NS480
* Exported volumes to unix,linux system on Celera NS480
* Upgraded DART on Celera NS480
* Created Cifs shares on NS480
* Used Rainfinity for storage migrations.
* Installed new blades on NS480
* Used SnapSure to create snapshots on NS480
* Installed EMC Celera Replicator.
* Implemented Celera data duplication, Fast Cache.
* Storage allocation using Automated Volume Management.
* Tuned performance using Celera Multipath File system.
* Installed and configured CAVA
* Upgraded Networker Modules from previous Release.
* Installation of Networker in Cluster and non Clustered mode.
* Installed and Uninstalled DataFabric Manager on the different systems.
* Refreshed data using SnapMirror, SnapShot whenever needed.
* Installed iSCSI software and SnapDrive 3.0 software on windows 2003 Server
* Configured Network Appliance SnapVault software for regular backup data stored on NetApp or any other storage platform to Network Appliance enterprise storage and NearStore systems, providing a centralized disk-based backup solution for heterogeneous storage environments.
* Created LUNs and Volumes across a large pool of disks and one or more RAID groups using FlexVol.
* Performed automatic, incremental data replication between systems: synchronous or asynchronous using SnapMirror.
* Export files and volumes using NFS Protocol
* Created Shares using CIFS Protocol
* Restored single files, directories, LUNs and volumes from Snapshot backup using SnapRestore.
* Created aggregate, Add disks to the aggregate, Destroyed the aggregate using Data ONTAP 7.2
* Copied all data, including Snapshot copies and FlexVol volumes, from one aggregate to another.
* Created Qtrees in user volume.
* Configured Vlans
* Configured Vifs

# Installed and Configured NetApp Filers FAS-2020, FAS-6040.

* Connected Filers to fibre Channel Network, Ethernet network, DAFS network, Remote management card, third-party SCSI tape backup devices.
* Fixed CompactFlash card Error by replacing the control panel subassembly.
* Fixed invalid Clock by replacing the motherboard battery.
* Updated the System firmware to a version that contains an updated microcode database,

Installed and configured NearStore R200

* Installed Clustering on 3020C filers.
* Upgraded DataOntap to 7.2 Version
* Managed Raid groups using DataONTAP 7.0
* Used FilerView to create LUNs and igroups
* Implemented, administered and maintained EMC Clarion CX3-40, CX3-80

# Provisioned LUN’s to servers, databases and Configured NAS.

# Configured zoning on FC Switches using the vendors Fabric Manager for Storage access by multi-vendor

# Configured and administered Fiber Channel Switches (Brocade and McData) and Zoning.

# Zoned M-series switches with Connectrix Manager.

# Installed and configured Emulex and Qlogic HBAs for SAN connectivity .

* Maintaining EMC units, using EMC **Powerpath**, Zoning**.**
* Played a lead role in **storage capacity and performance planning**.
* LUNS and allocating storage capacity to the DB servers in the event of emergency disk requirements.
* Mounting and managing LUN and HBA configuration.

# Established company-wide standard data storage /archive/retrieval systems and utilize RAID sub-systems for fault-tolerance.

* Installation and distribution of all software, Patches and Service packs.
* Planned and implemented High availability & Disaster Recovery of SAN/NAS Storage.
* Documentation of storage plans and strategies and executing the test plans.
* Implemented Veritas NetBackup 5.0
* High availability host configurations with PowerPath, and Microsoft Cluster Services (MSCS)
* Day to Day operations included reporting and escalating host issues.
* 24x7 on call support for trouble shooting.

**EMC NETWORKER 6.0**

* Created a probe-based group, configuring a cloning schedule, performing a directed recovery of save sets, configuring checkpoint restarts, and the client configuration wizard.
* Used Software Administration wizard and nsrpush to automatically upgrade Networker hosts to a newer release.
* Installed and configured Networker (MS Windows and UNIX/Linux)
* Operated NMC Server and Administration
* Performed Server-initiated and Client-initiated Backups
* Configured Client-related Resources and Groups Schedules Po
* Configured Networker Pools
* Configured Standalone Device Management
* Configured Jukebox/Auto-changer Management
* Configured the Networker Server Performance, Notifications, Security, Licensing
* Configured/Performed Cloning
* Configured/Performed Staging
* Networker Database Management
* Performed Brow sable Recoveries
* Performed Save Set Recoveries
* Performed a Control Data Recovery
* NMC Reporting and Management
* Updated Networker Software (Software Administration)

**Environment: AIX, Red Hat Linux 4, Solaris 10, Windows 2000, 2003, Commvault Simpana, Legato Networker, EMC Connectrix Manager, Veritas VxVM 3.0.2/3.0.4/3.1, VxFS 3.3.1/3.3.2/3.3.3, Brocade and McData switches, DataONTAP 7G, Near Store VTL300, VTL700, on NetApp FAS 3070, FAS 3020, FAS 250, ECC, EMC Clarion CX300, CX600, CX 3-40, CX 3-80, IBM tape Libraries**

**EMC Symmetric 5000NFS, NIS, DNS, Shell Scripts, VxVm 4.0/3.x, EMPSysedge, Patrol, Tivoli SAN Manager,** **VERITAS NetBackup 5.0 , Emulex, Qlogic HBAs, Brocade switches, McData switches, EMC Clarion CX 300, 600, snap view, BCV, Exchange 2003, NAS.**

**Glass House (NETAPP RESELLER)** FEB 2004 – MARCH 2005

**New York**

PROFESSIONAL SERVICE ENGINEER

Roles and Responsibilities

**NetApp:**

* Installed and Configured FAS-940, FAS-960
* Installed and Configured Nearstore R-150
* Replaced the defective FAS-940 motherboard to fix the baseboard management card.
* Created aggregates and Flex Vol volume and qtrees.
* Migrating volumes using the SnapMover® feature
* Created traditional volumes.
* Migrated data from traditional volumes to FlexVol volumes.
* Copied the specified aggregate and its FlexVol volumes to a different aggregate on a new set of disks.
* Created a Flex clone of the specified volume.
* Restored data by SnapRestore feature.
* Implemented Data Fabric Manager for Administration and Monitoring Tasks.
* Backed up Snapshot copies to tape by dump and restore commands.
* Copied different file systems to separate volumes and filers**.**
* Migrated data from traditional volumes to FlexVol volumes using qtree SnapMirror.
* Restored directory and file on the open systems platform using snapvault, DataFabric Manager, Copying files.
* Managed NearStore VTL600 to backup any open system storage environment
* Configured Red Hat Linux, IBM Servers and Windows 2000/2003 systems to see the presented Storage on the SAN

**EMC Clarion:**

* Support of storage strategy and implementation (SAN, near line storage, offline storage, archiving, storage virtualization, backup, etc)
* Monitoring, Configuring using ECC
* Managing Clarion CX3-40
* Provisioned storage by binding LUN to the raid groups.
* Implemented Snap view for disaster.
* Used SanCopy for Data replication.
* Documentation for quality, standard operating procedures, standards, disaster recovery, work instructions and proposals.
* Provisioned Storage from Clarion using Navisphere 6.X, Navicli, zone and tweak the conf files on hosts
* Created File systems on the newly allocated disks and configured them for backups using Networker
* Took the snapshots using the snapview functionality of clarion
* Worked on a proof of concept to mirror data across the DC using the mirrorview
* Liaison with EMC and Brocade Technicians for Break fixes, firmware and microcode upgrades
* Responsible network backup integrity and recovery coordination along with disaster preparedness planning. Created DR Servers/Networking devices for Mission critical information owner.
* Involved in Setup of NAS device, EMC Celerra NS80.
* Management of storage allocation, usage metrics, resource forecasting, cost analysis and quoting.
* 24x7 on call support for trouble shooting
* Installed Netback up 5,0 Server, Client, Media Server,
* Configured Netback up policies.
* Configured Netback up backup, archives, Restore Operations
* Configured Catalog Backup.
* Created Backup Policy.

**Environment: NetApp FAS-940/960/980, Nearstore R150, FCP, iSCSI CIFS, HTTP, NFS, FTP, DAFS, DataFabric, Data ONTAP, FAServer, FilerView, MultiStore, NearStore, NetCache, SecureShare, SnapManager, SnapMirror, SnapMover, SnapRestore, SnapVault, SyncMirror, and WAFL,**  **Navisphere 6.X, Navicli, Networker, snapview, mirrorview,NAS, EMC Cellera NS501, powerpath, BCV, SRDF, Zoning, TimeFinder, backup, mc-data,emulex and brocade fabric switches, Workload analyzer.**

**Fireman’s Fund JAN 2003-** FEB 2004

**Novato, California**

SAN Administrator

**Roles And Responsibilities:**

**SYMMETRIX**

* Managed DMX2000, DMX3000 EMC Symmetrix
* Provisioned storage using ECC
* Implemented Timefinder operations for Data Protection.
* Configured BCVs
* Familiar with SRDF/A and SRDF/S operations.
* Installed HBA drivers, zoning and volume logix to access the EMC devices
* Provisioned storage, created Filesystems on the newly allocated disks and configured them for backups using Networker
* Installed and configured SAN with EMC DS /ED switches and zoned all Servers.
* Installed Powerpath to do load balancing
* Monitored the environment using the ECC and fabric watch
* Migrated the hosts from symmetrix to DMX frames and similarly from Symm to Clariion Platform
* Used StorageScope for reporting and capacity plan
* Monitored the performance of the Symmetrix using the Work Load analyzer
* Installed EMC Control Center 5.0.3 software on Windows-2000 Adv. Server and configured for Master agents and host agents for Sun and Windows and storage agent for Symmetrix.
* Maintained a Backup San for Tape Silos
* Installed Time finder and configured Symmetrix Disk groups for BCV operations.
* Migrated data across the data centers using the SDRF functionality
* Designed and implemented storage solutions using EMC products to achieve optimum performance. Played an active role in carrying out various migrations involving Clarions/Symmetrices.
* Oversee the installation, administration and usage of all backend servers.
* Maintain the integrity an security of the organizations Active Directory Windows environment
* Conduct system analysis and implement improvements to keep the systems current with changing technologies
* Coordinate with other groups (Application Support Development DBA) to implement system changes to deep up with the fast paced financial market.
* Maintain DNS, SMTP, DHCP, AND domain Controllers, Active Directory applications, Exchange Servers, web servers and FTP services for the organization.

**Environment : Windows 2000, Windows 2003, Window firewalls settings, Incremental backup, Differential backup, ECC 5.1.2., SYMCLI and Navisphere PowerPath, SRDF Emulex and Qlogic, AIX, Solaris 9, 10., Windows 2000/2003, DataONTAP 6.1.x Mcdata, Brocade, Clariion CX series CX 600, CX3-40, CX3-80, NetApp FAS series, Symmetrix DMX2000, DMX 3000, DMX 4500 and Celerra NS510, HP StorageWorks systems HP XP512, Using open format tape drivers. Windows clustering.**

**HSBC**

**Banglore, India** MARCH 2001– DEC 2002

**Network Administrator**

**Roles And Responsibilities:**

* Configuring LAN using Cisco Routers and Switches
* Provided L3 Windows System Administration
* Upgraded firmware, patches time to time.
* Performed backup and restore operation on Open platforms.
* Configuring EIGRP, IS-IS and BGP protocols.
* Follow up with customer upon receipt of problems and provide timely status reports
* until problem is resolved.
* Responsible for application support as defined in the roles and responsibilities of the Service Level Agreements (SLAs).
* Improving efficiencies by recommending method and procedural changes.
* Designing archive and backup systems.  Working closely with technical staff to insure that backup and archiving designs and procedures are implemented properly.
* Plan and maintain the logical network configuration of routers, switches, and firewalls associated with network traffic. Maintain existing network equipment and servers to include patches and upgrades for enhancement or security.
* Lead network and infrastructure related projects, which include installation of new network hardware or software, server hardware and operating systems and infrastructure design.
* Provide guidance, work direction and information to other technical network employees.  
  Planning and implementing system security policy, to include firewalls, host and client access, file permissions, and user accounts.
* Providing on-call support advice and technical support to various users/clients
* Staying up to date with relevant state-of-the-art technology, equipment, and/or systems.  Evaluating new hardware and software technologies.

**Environment : Cisco Switches, Cisco Routers, Windows 2003 Server , Linux Server, Unix Server, Active Directory, Clustering, Backup Procedures, Linux installation and troubleshooting, Cisco C1900, C2900,**

**C2950, C3560, Cisco Access Servers AS5800, AS2400, Cisco 2600 Series Routers, 2800 Series**

**Standard Chartered Bank**

**New Delhi, India** JAN 1995- MARCH 2001

**UNIX System Architect/Network Administrator**

**Roles And Responsibilities:**

1. Worked with NEC Electronics technical support group providing end-user support for the campus of 400 users dealing with UNIX administration, system installation/upgrades and implementation, networking.
2. Installing Solaris, HP and Linux and customizing the machines to the network.
3. Installing the required patches & packages on both workstation and servers.
4. Written Various Shell scripts to automate system administration tasks.
5. Worked with the Data Migration project that involved in moving data from flat files into Oracle database using shell Scripting.
6. Written Installation Scripts to install third party software like OPENCAD.
7. Administering disks, volumes, raw slices and file systems using Solstice Disk Suite and Veritas.
8. Installed and configured hardware and software for Network printer using HP-Jet Admin Utility.
9. Monitoring the system performance and tuning the kernel to enhance the system performance.
10. Trouble shooting various issues related to Unix workstations/servers/users using performance tools like SAR, Glance etc.
11. Creating and deleting and managing user accounts and managing user quotas on the Network.

* Network Administration and Monitoring the performance of Network equipment

like Switches, Routers and Firewalls.

* Domain management functions for Windows based systems including managing the primary and backup domain controllers in (Win NT,2000,2003)
* Installation and Maintenance of Exchange 5.5, file, application, and print servers
* Troubleshooting user problems, managing with NT, Exchange & Proxy.
* Backup the domain controllers, and perform Windows Server (NT/2000/2003) functions
* Creating, modifying and deleting of user’s network and email accounts
* Installing, configuring, and troubleshooting router, switches, hubs, PIX, and related network devices and various software applications
* Virus control and prevention, managing the E-mail Configurations and Functioning.

1. Providing server and client side installation.

**Environment: SUN Fire 6800/3800, E-4500/450/250, SUN Ultra WS and Servers, HP9000 Series Servers, s, SUN Solaris 2.x, SUN OS, HP 10.x/11.0, Red Hat Linux 6.x/7.x, Windows NT, Netegrity Siteminder 4.51, Web Logic 6.x, iPlanet, NFS, NIS, DNS, SQL, Shell Scripting, Veritas Volume Manager 3.5, VCS 3.5, Netbackup 3.2, C.**

**EDUCATION DETAILS:**

**POST GRADUATE IN COMPUTER SCIENCE FROM MANIPAL UNIVERSITY JUNE,2000**

**ENGINEERING IN INSTRUMENTATION AND CONTROL KUK UNIVERSITY MAY,1997**