**Swetha S**

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**Professional Summary:**

* Qualified individual with overall 10 years of experience. Two years of experience in AWS cloud infrastructure and the rest in Storage (SAN/NAS) Administration and Management, Backup and Disaster Recovery Implementation and System Administration.

**AWS Experience: Roles and Responsibilities**

* Handling Requests for new EC2 instance deployment using AWS/Customer AMI's as per the requirement. Providing the right size of EC2 instance based on the load\application requirement.
* Handling EBS volumes and their snapshots. Creation of automated snapshot Lifecycle policies for backup and recovering instance whenever required.
* Creation and management of S3 buckets and bucket policies based on ad-hoc business requests.
* Configuration of S3 life cycle policies and cross region replication
* Configuration and monitoring the cloud infra using cloud watch and cloud trail services. Integrating traditional monitoring tools with cloud watch metrics for efficient and real time monitoring.
* Experience on deploying bastion hosts and NAT gateway for allowing internet exposures for public and private subnets respectively
* Experience in creating VPN tunnels between enterprise datacenter and AWS
* Hands on experience in configuration and management of highly available and scalable infrastructure using elastic load balancers, target groups and auto scaling configurations.
* Extensive knowledge on configuration of VPC's and subnets.
* Design and Deployment of scalable, cost efficient and highly available AWS infrastructure for new applications
* Deploying the AWS components as per the project requirement and adherence with the AWS well architect framework design principles.
* Providing cost effective design plan with cost, security,and network specifications adhering to the AWS standard framework and various information security standards.
* AWS Solution Architect Certified

**Storage and Backup Experience**

* **Expertise in storage provisioning, monitoring, reporting of EMC Symmetrix (including VMAX) and VNX Series using SYMCLI, Navisphere respectively.**
* **Expertise in Host-Level lun migration (Linux\HP-UX and Solaris, Windows) and host based migration.**
* Knowledge in using Time Finder/Clone, SRDF, SRDF/A, Mirror view/SnapView and SnapshotIQ.
* Experience in configuration Zoning, zones and zonesets in Cisco MDS, Brocade Switches using DCNM, Fabric manager and Command line interface.
* Knowledge on FASTVP in VNX arrays and VMAX systems, Managing thin pools, FAST Policy and storage groups in VMAX.
* Experience in SAN related host connectivity for various Operating systems like Solaris, Linux, HP-UX, AIX, Windows and VMware.
* Working on Identifying SAN Path violations in OCI and resolving violations by troubleshooting host end issues (HBA and NPIV mapping issues), Zoning configuration and device end issues.
* Possesses hands on expertise in troubleshooting day to day SAN/Storage and host related issues quickly.
* Good communication skills and capable of handling multiple projects simultaneously with good mentoring skills.

***Education:***

* Bachelor of Engineering(BE-CSE) from Shri Andal Alagar College of Engineering(Anna University) with First class **(72%)**
* HSC from Maharishi Vidhya Mandir with **88%**
* S.S.L.C from Asian Christian High School with **89%**

***Certifications and Trainings:***

* ISM V2 certified
* Symmetrix solutions specialist
* Received Ten weeks of product training on DMX and V-MAX
* AWS Solution Architect certified

**TATA Consultancy ltd Jan 2020 – Present**

**Chennai.**

**Client: Delta Airlines**

**AWS Experience**:

* Handling Requests for new EC2 instance deployment using AWS/Customer AMI's as per the requirement. Providing the right size of EC2 instance based on the load\application requirement.
* Managing the patching cycle for AWS instance both using traditional methods and AWS system manager. Execution of scripts for few PRD critical servers which would perform the EC2 refresh after patching
* Handling EBS volumes and their snapshots. Creation of automated snapshot Lifecycle policies for backup and recovering instance whenever required.
* Creation and management of S3 buckets and bucket policies based on ad-hoc business requests.
* Configuration of S3 life cycle policies and cross region replication
* Configuration and monitoring the cloud infra using cloud watch and cloud trail services. Integrating traditional monitoring tools with cloud watch metrics for efficient and real time monitoring.
* Hands on experience on Infrastructure as a code-cloud formation and Terraform scripts for bulk builds
* Experience on deploying bastion hosts and NAT gateway for allowing internet exposures for public and private subnets respectively
* Experience in creating VPN tunnels between enterprise datacenter and AWS
* Hands on experience in configuration and management of highly available and scalable infrastructure using elastic load balancers, target groups and auto scaling configurations.
* Extensive knowledge on configuration of VPC's and subnets.
* Design and Deployment of scalable, cost efficient and highly available AWS infrastructure for new applications
* Validating and ensuring the security aspects of existing infra setup as per the S0C2 standards of AWS
* Deploying the AWS components as per the project requirement and adherence with the AWS well architect framework design principles.
* Providing cost effective design plan with cost, security,and network specifications adhering to the AWS standard framework and various information security standards.
* Have basic knowledge on the AWS services.

Currently preparing for AWS solution architect certification

**Client: Newyork Life Insurance Jan 2015-Jan 2020**

**Storage Administrator**

* **Administer and Maintain SAN (Storage Area Network) Infrastructure consisting of high end storage systems including EMC Symmetrix VMAX/DMX, VNX Unified storage system, Cisco MDS and Brocade Switches.**
* **Created RAID groups/Storage pools and performed LUN binding using Navisphere Manager GUI and NaviCLI, Extending the storage pools by adding physical disks.**
* **Created Meta LUN's by expanding base LUN's using Navisphere manager.**
* **Perform daily operational tasks on storage systems such as storage provisioning using EMC Management tools including ECC, Navisphere Manager, Solutions Enabler and SAN Screen. Perform zoning on Cisco and Brocade Switches using Fabric Manager and Connectrix manager.**
* **Hands on experience with Auto-provisioning by creating views, initiator groups, port groups and storage groups on VMAX using SMC 7.1.1 and Solution Enabler SYMCLI 7.1.1.**
* **Implemented Virtual Provisioning on V-MAX, DMX-4 by creating data devices, thin pools, thin devices using SYMCLI 7.x, SMC 7.x.**
* **Worked on decommissioning tasks and SAN reclamation from Physical hosts and Virtual Machines, ESX hosts.**
* **Knowledge on Migrating data from DMX-3/DMX-4 to V-MAX using Host-level VERITAS LUN migration, host based Open Migrator and LVM.**
* **Allocated and Provisioned storage from VMAX, DMX-4, DMX-3 arrays to Windows, Solaris, HP-UX and AIX servers.**
* **Working on decommission activities on DMX\VMAX ( removing devices from the array, SAN reclamation by checking replications, cleanup of Masking views and host groups), removing zones, zoning from the zonesets and VSAN’s in CISCO MDS and Brocade switches.**
* **Implemented Business Continuity solutions for production data using Time Finder Clone Emulation, Time Finder/Snap on V-Max and DMX arrays.**
* **Worked on Cisco Switch upgrade**

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* **Implemented SRDF/A for production systems including creation of dynamic RA groups, creation of dynamic RDF pairs, enabling SRDF/A for the group of devices. Addition and removal of devices from the device.**
* Creation of Device & FC Aliases, zones, zone sets and activating the zonesets, adding the FC ports to the VSAN using fabric manager and Command line.
* Extensively worked on SAN related host connectivity for various operating systems including SUN Solaris, AIX, Linux, and Windows, working on SAN path violations from Netapp OCI and troubleshooting the end to end connectivity.
* Involved in troubleshooting routine critical issues including server throughput, ports availability, zoning requirements, one-path down, enabling the path on source or destination arrays, data not migrated, host not seeing storage and storage management problems.

**Environment:**EMC Symmetix V-MAX10K\20K\40K, DMX3, DMX4,VNX 7500\7600 Cisco MDS 9100 Series, Cisco 9505 and 9513, One Command manager, QLogic and Emulex HBAs,Brocade switches.

**Wipro ltdSeptember 2011 – Dec2015**

**Bangalore.**

**Storage Administrator**

* Administering and maintaining EMC Symmetrix VMAX\DMX, CISCO MDS and Brocade Switches.
* Worked extensively in troubleshooting of EMC Symmetrix and DMX dial homes.
* Exposure to the maintenance of the Symmetrix Remote Data Facility (SRDF).
* Exposure to Business Continuity technology including Time Finder.
* Familiar with Local and Remote replication concepts.
* In-depth knowledge of RAID concepts. Troubleshooting different topologies of SRDF
* Theoretical understanding of bin file configuration and various script used for the maintenance of Symmetrix.
* Provided assistance to the Field Engineers regarding the script failures, parts replacement, Enginuty code maintenance and patch upgrades.
* Hands on training for parts replacement in Symmetrix, DMX and V-Max,VNX.
* LUN Masking and LUN mapping with Access logix concepts, Storage Group creation
* Performing Storage admin L2 tasks.
* Perform zoning, performance analysis, presenting LUN to host, switch port analysis.
* Preparing capacity reports, performance reports and maintaining inventory of storage in shared services.
* Resolve any storage shortages.
* Alert and resolve any performance issues and notify end-users
* Insure that data is available to all applications
* Hands on Experience in EMC SYMMETRIX DMX,VMAX,VNX,VPLEX, Brocade SAN Switch.
* Knowledge on EMC replication, time finder, SRDF, Clone,SNAP,FAST.
* Understanding of ITIL, change management, incident management.

**Environment:**  VMAX\DMX3\4

**Personal Profile*:***

Gender : Female

Date of Birth : 29/09/1989

Nationality : Indian

Marital Status : Married