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# **Summary**

Experienced Storage Architect, Backup & Cloud Operations Specialist with a demonstrated history of working in the Healthcare and Financial industries with Mission Critical SLA’s. Extensive experience as a Systems engineer supporting virtualized environments with VMware, On-Prem enterprise data, AWS, Azure Cloud IaaS, PaaS core offerings and in providing Disaster Recovery and Backup Solutions with replication technologies. Well-versed in installation, configuration, maintenance, and troubleshooting multiple OS enterprise servers (Windows/Linux/Solaris/ESXi). In-depth knowledge in Storage Administration (SAN/NAS), Business Continuity and High Availability, Information Lifecycle Management, Backup Administration, Pure Storage FlashArray, Disaster Recovery, Data Migrations, and Windows, Unix Administration, Microsoft Active Directory concepts. Experienced in setting up Router, firewall, VPN configuration, Server hardware, cabling, routing & LAN environment.

# **Work Experience**

## Philips Lifeline | Framingham, Massachusetts

### Senior Storage and Unix Administrator/Systems Engineer Dec 2018 – Present

**Job responsibilities**

* Act as Systems & Storage technical lead for Infrastructure Engineering and Unix Teams
* Day to day SAN administration activities for VMware, Windows, RedHat Linux, Solaris, OVM
* Provide administrative support for Red Hat, Oracle Linux, and Solaris machines.
* Migrate legacy On-Prem Storage data including Oracle DB’s to AWS RDS and Dell-EMC PowerStore, PowerMax, PURE Storage AFA to Azure Blob, AWS S3, EBS, EFS
* Manage, configure, upgrade On-prem arrays using Unisphere, CloudIQ and ESRS for Dell-EMC systems.
* Migrated Block Storage VPLEX, VNX, XtremIo to Pure FlashArray.
* Leverage storage-based replication and snapshots to protect critical business applications and to recover from data loss and corruption events
* Utilize VMware Storage VMotion to aide in SAN migration activities
* Provide recommendations to upper management regarding future SAN road maps
* Create technical process documentation for all aspects of SAN activities
* Manage Amazon Web Services – EC2, S3, CloudWatch, DMS, EKS, RDS
* Create S3 buckets, IAM Policies, Users for data uploads and back up archiving
* Experience in managing and maintaining secure VPC's and IAM policies
* Create snapshots of EC2 instances for backup and integrate with On-Prem solutions
* Experienced with Openstack cloud solutions (IaaC, IaaS & PaaS) with Kubernetes & Docker Container deployments
* Administration and troubleshooting openstack issues related to deployments, Infrastructure and tenant care
* Administered VMware Infrastructure, supporting VDI environment, configured and installed Dell WYSE VDI thin clients
* Updated VMtools on Virtual Machines, configured vMotion, storage vMotion for migrating Virtual Machines and datastores
* Installed and configured Cisco UCS hardware, updating UCS firmware, drivers through policies and commission/decommission of blades and chassis
* Experienced with Solarwinds tools for reserving OP address and monitoring virtual infrastructure
* Installed Dynatrace agents in the VM’s for communicating with Dynatrace monitoring tool
* Engineer, design software and hardware solutions, and document technical procedures and workflows
* Liaising with software, hardware vendors for system enhancements for future requirements
* Provide training, leadership, and guidance to junior associates
* Troubleshoot hardware/software problems and deliver required resolutions
* Research, design, and support application platform migrations
* OS/Network tuning via system kernel parameter modifications
* Assist with project management of large infrastructure implementations
* Perform varied application software installations
* Coordinate patch analysis and implementation for Linux and Solaris systems including Red Hat Satellite and Oracle Enterprise Manager
* Contribute to development of monitoring strategies in UNIX environment
* Creation and management of Virtual Machines, installing VMware tools, creating templates, cloning, deploy Virtual Machines from Templates
* Create, Manage and Troubleshoot virtual machine servers, manage snapshots
* Monitor the virtual environment and tune for performance as needed.
* Install, configure, troubleshoot, and secure all ESXi hosts and vCenter systems along with the attached SAN storage (Dell, Sun/Oracle).
* Patching Red Hat servers with Satellite and Windows servers with WSUS desired
* Use Satellite to configure & utilize OpenSCAP, Ansible, and remote jobs.
* Manage Firewall on the Redhat and Windows servers.
* Manage Dell ESXi physical PowerEdge servers including installing/upgrading ESXi, updating BIOS, Firmware.
* Extend Virtual disks on VM server and then use LVM to extend on the Linux servers
* Manage SSL certificates on Windows, Linux, and ESXi servers
* Manage Backup & storage, CIFS and NFS shares and mounts
* Installation and configuration of Web application servers on Solaris, Linux, Windows
* Upgrade and maintain firmware on IBM p Series Servers, HMC, Sun Sparc servers
* Write various IT reports and quickly gather concise information for ad hoc client requests.
* Perform disaster recovery and system restores using Backup tools such as Rubrik, Avamar and Data Protector
* Perform upgrades to Data Domain, Avamar & DPA
* Monitor CloudIQ for DPS and resolve open issues.
* Korn shell scripting for support of OS, Database & core software functions
* Created spreadsheets using Microsoft Excel for daily, weekly and monthly reporting
* Track tickets and troubleshoot issues using JIRA and Change management
* Resolved problems, improved operations and provided exceptional service
* Provide weekly rotation routine on-call 24x7 support

## EMC Corporation | Hopkinton, Massachusetts

### Senior Delivery Specialist Oct 2012 – Nov 2015

**Job responsibilities:**

* Managed multiple clients as Delivery Specialist throughout New England Region
* Specialized with multiple 3rd party storage solutions such as DELL EMC, Hitachi Data Systems, Hitachi Unified Storage Navigator Modular (HSNM2), PURE, NETAPP DATA ONTAP 7-Mode Clusters, SOLIDFIRE, HP-MSA Storage Solutions, Enterprise Backup/Restore Solutions (TimeFinder/Snap, Mirror & Cloning), Remote Replication Solutions (SRDF, SnapMirror, etc.)
* Analyzing issues with storage operations and proactively recommending solutions for improving storage operations and effectively using EMC storage solutions
* Pure Storage FlashArray Deployment and administration in VMware and Private Cloud Environment
* Responsible for designing, implementing, configuring, and managing EMC SAN/NAS devices such as XtremIO, Isilon, Symmetrix VMAX, VNX, Recover Point, VPLEX, Cisco Fabric Switches
* Migrate vm's from old infrastructure to Vxblock using Storage vmotion as well as RPA replication.
* Responsible for day-to-day operational support of environment which includes new storage system delivery, change requests, proactive storage availability, performance monitoring, preventative maintenance, troubleshooting and resolution of system issues.
* Responsible for both Block and File migrations in large migration projects including planning, scheduling, designing, documentation, and service requests.Performed migrations between EMC and non-EMC arrays such as IBM XIV, Hitachi USP/VSP, HP 3PAR, Infinidat, Infinibox, NAS – Netapp, Qumulo.
* Maintain and upgrade code level versions and patches for Storage and Cisco, Brocade Fabric Switches.
* Perform capacity planning and define requirements for additional storage for future growth.
* Install and configure EMC Symmetrix VMAX storage solution with existing infrastructure.
* Performing storage provisioning and maintaining storage availability; configure and modify backup policies as per requirement for OS, VMware, and Database clients.
* Participating in design and execution plan for storage disaster recovery processes.
* Executing business continuation, data center migrations, and consolidation plans utilizing EMC storage solutions.
* Performing necessary storage infrastructure maintenance; performance tuning, health-check and monitoring of Backup infrastructure including Data-Domains and Avamar
* Configure disaster recovery solution using backend VNX storage with VPLEX and replicate using EMC Recover Point across sites.
* Assess and identify appropriate solution to be integrated into storage infrastructure and make recommendations for implementation of EMC Storage devices.
* Implementing best practices for the monitoring the performance and allocation of storage for various environments. Also monitoring all KPIs and help solving issues to meet service level agreements (SLAs).
* Coordinated with vendors for hardware replacement, application issues, and RCA investigation.
* Training end-users and key-users on use of EMC storage solutions.

## State Street Corporation | Boston, Massachusetts

### Storage & System Administrator Oct 2011 – Oct 2012

**Job responsibilities**

* Responsible for implementation/administration of Storage systems- Block and File Storage such as NetApp, EMC VMAX 40K/10K, Symmetrix DMX, Unified VNX, Clariion, Celerra NAS as per best practices.
* Executed multiple Disaster recovery solutions using SRDF Asynchronous/ Synchronous/Cascaded
* Performed Storage Migrations between homogeneous/heterogeneous storage arrays within and across datacenters using Open Replicator, SRDF, and host-based migration tools.
* Performed Switch fabric implementation and operations including Cisco, Brocade, and Mcdata fabric switches.
* Responsible for Performance monitoring and reporting of SAN environment using various tools such as EMC ECC, SolarWinds, and SRM.
* Performed restores for NDMP, VMware, and OS clients.
* Replacement of faulty disks on Data-Domain.
* Performed POC Testing and system upgrades for compliance and meet client's SLA- service level agreements.
* Monitored backup failures and generated reports.
* Attended bridge calls for severity issues and participated in Disaster Recovery activities.
* Responsible for troubleshooting Storage infrastructure and OS issues including Backup and Unix System administration.

# **Certifications**

* + Amazon Web Services Solutions Architect Associate Validation Number P02WHGVBBNF1QSG3
  + Microsoft Certified Azure Administrator Associate Validation Number P02WHGVBBNF1QSG3
  + ITIL 4 Foundation - Certificate Number - Validation Number P02WHGVBBNF1QSG3
  + Certified Training in RHEL 7 & 8
  + EMC Proven Professional (Information Storage and Management) Verification Code: P8Z0TPWTCEF4595Z
  + EMC Cloud Infrastructure and Services (Cloud Associate) Verification Code: P8Z0TPWTCEF4595Z
  + EMCSA Symmetrix Solution Verification Code: KH68T51R1BB1KMFW
  + EMC SPEED Certificate Code - 47B0-AC1A-7AEB-484C

# **Technical Skills Summary**

* + Hardware

Pure Storage X50/M50/M20, NAS NetApp AFF, FAS, Dell-EMC ECS, PowerStore, PowerMax, VxRail, VxBlock, VMAX 40K/20K, XtremIO, HCI, Unity All Flash, Unified, Symmetrix DMX- 4/3/2, Clariion CX-4/3, VNX5600, VNX8K, VNX5100, Celerra NS-120, Isilon, VPLEX Local- Metro, IBM XIV, Hitachi USP/VSP, Infinidat Infinibox, HP 3PAR, Brocade 48k/8510, Cisco MDS 9100 Series, Cisco UCS 5100/B series, Fabric Interconnects, Solaris Hardware- T5, T4, M5000, M4000, M2000, Oracle OVM, Recover-Point Appliance/EX, F5 Appliances, Rubrik, Veeam, Data Protector, Avamar, Data-Domain

* + Operating Systems, Utilities & Virtualization Tools

VMware, Microsoft Windows 2k12, 2k16, 2k19, Solaris 8/9/10, AIX 6.x/7.x, ESX/ESXi

/5.x/6.x/7, Amazon AMI's, Linux – Redhat , Oracle OEL 5.x/6.x/7.x, Ubuntu, Veritas Volume Manager, Solutions Enabler , Unisphere for VMAX, Unisphere, Navisphere manager, SMC, SPA, ViPR-SRM/W4N, OneFS, Nagios, Control Center, Solarwinds, Brocade CLI- BNA, Connectrix Manager, Cisco Device Manager, Avamar 19.x , Data Domain 7.x, DPA 19.x, Fabric manager, SymCLI, NaviCLI, VMWare XVM, SRDF-S/A, Timefinder/Snap, Open replicator, Open migrator, Native LVM mirroring, Solaris Zpool mirroring, Oracle OVM- vDisk copy Satellite, Ansible, Spacewalk, Splunk, HP Openview, Operations Bridge, Ansible, Scripting- Shell, Python, Kubernetes, Docker, Terraform AWS Systems Manager, FSX, AWS EC2, S3, IAM, Glacier

# **Education**

Master of Science: Computer Science - Northwestern Polytechnic University – California, US

Bachelor of Engineering: Information Technology - Osmania University – Hyderabad, India