**Shiva G** 

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**PROFILE SUMMARY**



* Experience in AWS (Amazon Web Service) Administrator - Cloud Computing Engineer.
* Experience in Installation, Deployment, Release management, L2& L3 production support, Amazon Web Services and Testing.
* Handling EBS and S3 backups, cloudfront setup, SES administration by using SMTP and AWS API’s, Cloud watch management, Route 53.
* Proficient with AWS Cloud Formation automation using JSON to build applications with highly secure

multi-tier architecture.

* Having experience in environment setup on Amazon Web Services (Cloud environments).
* As a passionate advocate of AWS within Grace note, I migrated my department from a physical data center environment to AWS. I also designed, built, and deployed a multiple applications utilizing most of the AWS stack (EC2, ELB, Cloud Trail, VPC, S3, EBS, IAM, SG, NACL, Cloud front, Route53, SQS, SNS.), focusing on high-availability, fault tolerance, and auto-scaling.
* Good Knowledge on Linux commands and environment setup in Linux OS.
* Experience in Networking and Technical Support roles. Implementing configurations/upgrades to existing network infrastructure in data, security and wireless networks.
* Experience in maintaining all data cent hardware; including Cisco, Nexus, Checkpoint Firewall and Linux machines.
* Managed special projects; including the physical migrations of servers. Supervised the day-to-day operations of the data center group, including scheduling, maintenance, data backup schedules, inventory, and documentation. Implemented and enforced group policies and procedures.
* Provided 24 hour on call support to the Operations and Network groups. Assisted the Network group in building production LAN environments.
* Excellent customer interaction and communication skills.
* To be an integral part of the organization and to utilize my potential to the fullest in order to give the best to the organization.

**ACADEMIC DETAILS**



Masters in Electrical Engineering, CA, USA

Bachelors in Electronics and Communications Engineering, Hyd, IND

**CAREER ABSTRACT**



**AWS System Administrator June 2017 – Present**

**Transqube Technologies Pvt. Ltd**

**Hyderabad, IND**

**Responsibility:**

* Working with the development team to create appropriate cloud solutions for client needs and reported all issues.
* Deployment and monitoring of application on AWS platform. Configured and managing security groups & VPC.
* Create IAM to manage AWS console and various services for user and various application etc.
* Launch and Release EC2 instances, attach/detach
* ELB, create and restore backup of EC2 instances using AMI.
* Created AMI images of critical ec2 instances as backup using AWS GUI. Setup and managed backup and recovery using snapshot, Utilize EBS to store persistent data and mitigate failure by using snapshots.
* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation. Autoscale Groups, Launchconfig, Load balancer.
* Implementation of alerts system using SNS, cloud metric and instance scale up/down triggers.
* AWS CloudTrail for records AWS API calls for your account and delivers log.
* Experience in provisioning highly available and scalable infrastructure.
* Monitored and worked on alerts send by SNS on various issues related to server availability, disk issues, CPU, memory, processes, etc. Managed and created user accounts, shared folders, printing Services, providing day to day user support, Log management, Reporting, applying Group policy restrictions, etc.
* Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services. Hands on

experience on VPC, Subnets, and Route tables etc.

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**Digital Reality Data Center Feb 2017 - April 2017**

**Tempe, Arizona, USA Network Technician**

**Responsibilities**:

* **Racking, Stacking, Cable Management, Custom Cabling Creation and Installation.**
* Installed and configured Cisco routers, switches and setup the entire **LAN/WAN** infrastructure.
* Providing Technical Support and solutions for Network Problems.
* Configure network settings such as EtherChannel, RSTP, VLAN, trunking, routing, VDC, VRF on Cisco switches/routers (NX-OS, IOS XR, CatOS).
* Maintain/upgrade Cisco switch/router hardware (Route Switch Processor, Fabric Module, Supervisor Engine, Ethernet Module Cards 10/100/1000, 10G, 40G).
* Hands on experience in **NX-OS** and the data center technologies such as **VPC, VDC, VRF and fabric path.**
* Involved in the DATA CENTER Implementation techniques and methodologies.
* Installing and Configuring Nexus switches **(9504, 9332, 3064)**, Catalyst **2960-X** independently.
* Provide network design and assist 3rd party vendors in understanding the same.
* **GWAN** link commissioning, link management with the help of providers.

**Environment:** Cisco Catalyst 2960 switches, Cisco Nexus 9K/3K (9504,9332,3064) Cisco ASR 1001/1002**, BGP, EIGRP, LAN, WAN, VPN, HSRP.**

**3M, Sep 2016 – Jan 2017**

**Maplewood, Minnesota, United States**

**Network Engineer**

**Project name: 802.1x NAC implementation**

**Description**: 3M NAC Implementation Project (Minnesota, USA) - Customer wanted to standardize their all sites globally to be transformed as per new architecture and deploying the NAC (802.1X) configurations at the Edge Switches (3850, 3750X, 2960X) and Wireless Controllers (WLC5508, WLC2504, LWAP3602, LWAP2602) where the user machines, servers and other end user devices were getting connected. This is to restrict any non-authorized systems to get connected to their network and also do the posture compliance.   
 **Responsibilities**:

* Complete site survey and gathered inputs from site. Build the AS-IS Logical and Physical Network Diagram on Visio. Document the Future Pre-NAC and Post-NAC Visio logical and physical diagram for the sites.
* Evaluate the current network devices hardware and software against the compatible hardware and software matrix list. Prepare the BoM if required to change the hardware.
* Used Visio for site logical and physical network diagram documentation.

(WLC5508, WLC2504, LWAP3602, LWAP2602) where the user machines, servers and other end user devices were getting connected.

* Implemented 802.1X configuration on the edge devices including WLCs.
* Upgrade the hardware or software for the site to prepare it for the NAC enforcement.
* Implement 802.1X NAC configuration on the edge devices including Wireless.
* Developing(Designing), Maintaining and administrating **NAC (Network Access Control**) for the company.
* Created a detailed design drawing of the sites, which are under up-gradation and getting it validate from the technical design team and maintained the remote site network, consisting IP addressing, Visio Drawings.
* Worked for **NAC (Network Access Control)** Implementing and Design Architecture.
* Ability to make technical documentation of systems and procedures.

**Environment**: Cisco 6509E, 4507RE, 3850, 3750X, 2960X, WLC5508, WLC2504, LWAP3602, and LWAP2602.

**IT SKILLS**



**Cloud Technologies**: AWS (Amazon web services):EC2, VPC, IAM, S3, CLOUDFRONT, CLOUDWATCH, CLOUD FORMATION, CLOUDTRAIL, GLACIER, RDS CONFIG, ROUTE 53, SNS, SQS etc.

**Operating Systems**: Linux, Microsoft Windows.

**Authentication/Authorization:** AWS-IAM, MFA

**Monitoring & Logs**: AWS Cloudwatch.