KYAW MYO HLAING

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https://kyawmyohlaing.github.io/portfolio/

Brief

A Bachelor of Engineer (Information Technology) holder who has got total 14 years of ICT experiences included 4 years overseas experience. Main strengths are enterprise networking, IT infrastructure implementation, system administration, maintenance and customer supporting. Simply aim to achieve organization's goal by IT supporting role.

Qualification

Degree

❖ Bachelor of Engineering (BE-IT)

Bachelor of Engineering (Information Technology)(2000 - 2006)
Mandalay Technology University

Certification

➢ **VMware Certified Professional 6.5- Data Center Virtualization**
➢ **VMware Certified Professional 5- Data Center Virtualization**
➢ **Master Cloud-Native Infrastructure with Kubernetes**
➢ **SDN, NFV, Whitebox switching and OpenFlow**
➢ **ICSI | CNSS Certified Network Security Specialist**
➢ **Introduction To OpenShift Application**
➢ *ACI*
➢ *Cert Prep: Red Hat Certified System Administrator*
➢ *CCNA Routing and Switching*
➢ **Blockchain Specialization**
➢ *Foundations of Project Management*
➢ *Project Initiation- Starting a Successful Project*

Professional

Company : **First Private Bank Co., Ltd (May 2017 – Current)**

Position : **Infrastructure Manager**

Responsibilities

- o Planning, designing, implementing & maintaining Datacenter and Disaster Recovery infrastructure supporting such as Core banking system, Digital Banking, FI-Gateway, Swift, MIS agent, and Credit Bureau system.
- o Planning, designing implementing & maintaining enterprise network for Head Office and Branch Network.
- o Experience with ***VMware vSphere, Tanzu Kubernetes, AWS VPC, vCD-A, Velocloud SD-WAN***
    - o Deployment and Configuration: ESXi hosts, vCenter Server and associated components.
    - o Virtualization Management: VM creation, cloning, snapshot and resource allocation with various guest OS, ensuring compatibility and optimal performance.
    - o HA and Fault Tolerance: configuration clusters, VM monitoring and failover policies to ensure the uptime and reliability of critical workloads.
    - o Resource Management: Setting optimization, reservations, limits, and shares to prioritize workloads. Implementation DRS to balance VM workloads across hosts.
    - o Storage Management: Datastores, storage clusters, and storage policies such as VMware vSAN, EMC SAN storage and storage multi-pathing.
    - o Networking Configuration: Virtual networks, including standard and distributed switches,VLAN, network adapters, and load balancing for VMs with NSX-T for network virtualization.
    - o Security and Compliance: Best practices within vSphere environments like RBAC , VM encryption, vSphere hardening, and compliance checks.
    - o Backup and Disaster Recovery: VMware Site Recovery Manager(SRM), third-party backup solution like EMC networker integration with EMC data domain.
    - o Performance Monitoring and Tuning: Regularly monitor the performance of vSphere environments using tools like vCenter Performance Charts and vRealize Operation Manager.
    - o Upgrades and Patch Management: Plan and execute upgrades and patch management activities, ensuring that environments remain up-to-date with security patches and feature enhancements.

o Documentation and Training: Maintain detailed documentation of vSphere configuration, procedures and best practices and provide training and knowledge sharing to team members and stakeholders.

o Experience with VMware vSphere with Tanzu:
  o Deploying and Managing: vSphere Supervisor Clusters and storage configurations with both embedded and external Tanzu Kubernetes clusters.
  o Kubernetes Integration: Provision and managing Tanzu Kubernetes clusters with the vSphere infrastructure, allowing for the creation and management of Kubernetes clusters directly from the vSphere Client.
  o Cluster Lifecycle Management: creation , scaling, and decommissioning using declarative configurations and YAML manifests for cluster creation.
  o Networking: Setup of load balancers, ingress controllers, and network policies. Configuration container networking and ensuring connectivity between clusters and external resources.
  o Security and Access Control: RBAC, pod security policies, and network policies, to secure Tanzu Kubernetes clusters.
  o Monitoring and Observability: Utilizing tools, such as Prometheus, Grafana, and Fluentd for log aggregation for insight of cluster health and application performance.
  o CI/CD Integration: CI/CD pipelines, enabling automated application deployments, testing, and updates.

o Experience with AWS VPC Setup:
  o VPC Design and Architecture: Network segmentation, security, and scalability such as CIDR.
  o Security and Access Control: network ACLs, security groups, Virtual Private Gateway for secure VPN connections and Internet Gateways(IGWs) for public internet access.
  o Peering and Transit Gateway: VPC peering to facilitate communication between isolated environments.
  o High Availability: Design VPCs with multiple Availability Zones to ensure HA and Fault tolerance and load balancing.
  o VPC Endpoints: Leverage VPC endpoints to securely connect VPC resources with AWS services like S3 and Dynamo DB without traversing the public internet.
  o VPC Flow logs and Monitoring: Setup VPC flow logs to capture network traffic data for monitoring, auditing, and troubleshooting purposes.
o Experience with vCloud Director Availability for Private Cloud DR Management:
  ❖ vCloud Director Expertise: Deploying, configuration, and optimizing vCloud Director for private cloud environments, making it an ideal platform for DR solutions.
  ❖ Disaster Recovery Planning: Conduction risk assessments, defining recovery point objectives(RPOs) and recovery time objectives(RTOs), and establishing DR runbooks.
  ❖ vCD-A Deployment: Deploying vCD-A solution to enable DR capabilities within private cloud environments.
  ❖ Replication Configuration: Configuring and managing replication for virtual machines and workload using vCD-A. Defining replication policies, selecting target sites, and monitoring the replication status.

- ❖ Failover and Failback Procedures: Failover and failback procedures to ensure a seamless transition for services in the event of a disaster. Conducting DR tests to validate recovery processes.
- ❖ Site-to-Site Connectivity: Setup and optimized site-to-site connectivity between primary and secondary data centers to facilitate data replication and VM synchronization.
- ❖ Monitoring and Reporting
- ❖ Security and Compliance: Implementation encryption for data in transit and at rest.
- ❖ Documentation and Training: Maintain detailed documentation of DR configuration, procedures, and best practices. Providing training to IT teams and stakeholders.
- ❖ Testing and Validation: Conduct regular DR tests to validate the effectiveness of recovery procedures.
- ❖ Incident Response: Leading incident response efforts, orchestrating the recovery process, and minimizing business impact.
- o Experience with VMware SD-WAN by VeloCloud:
    - ❖ Solution Architecture: Deep understanding of the architecture of VMware SD-WAN by velocloud such as Edge appliance, Orchestrator, and Gateways. Designing SD-WAN solution that align with the specific requirements and goals of organizations.
    - ❖ Deployment and Configuration: Setting up Edge appliances, orchestrator, and configuring WAN links for optimal performance and redundancy.
    - ❖ Traffic Optimization: Optimization WAN traffic to ensure efficient and reliable communication between branch offices, data centers, and cloud resources. Configuration traffic steering, Qos, and application-aware policies.
    - ❖ Security Integration: Configuration firewall policies, end-to-end encryption of traffic across SD-WAN links.
    - ❖ Cloud Connectivity: Connection SD-WAN networks to public and branch, private cloud environment. Leveraging direct cloud on-ramps and optimized data flow to and from cloud services.
    - ❖ Multi-Path Optimization: Configuration and Managing multiple WAN links such as broadband, MPLS, APN SIM and 4G/5G, to maximize network resilience and performance. Utilization dynamic path selection and link steering for load balancing and failover.
    - ❖ Network Monitoring and Troubleshooting: Diagnosing and resolving network issues to minimize downtime.
    - ❖ Zero-Touch Provisioning: Implementation zero-touch provisioning process to simplify the deployment of Edge appliances at remote sites, reducing the need for on-site IT personnel.
    - ❖ Vendor Collaboration: Collaboration with vendors to resolve technical issues and optimize SD-WAN implementations. Stay updated on the latest features, enhancements, and best practices.

- Experience with Switches, Routers, Firewall, and Access Points:
  - Deployment and configuration: Switches of various models and series. Setting up VLAN, STP, and port configuration.
  - Virtual LANs(VLANs): Designing and implementing VLANs for network segmentation, security, and traffic isolation such as creating VLAN interfaces, configured trunking, and VLAN routing.
  - Quality of Service(QoS): implementing QoS policies to optimal performance for critical applications.
  - Ether Channel and Link Aggregation: Configuration link aggregation and Ether Channel groups to increase network redundancy and bandwidth for high demand environments.
  - Port Security: Configuration port security features to control and restrict access to switch ports based on MAC addresses, limiting unauthorized device connection.
  - Troubleshooting: Diagnosing and resolving issues related to network connectivity, STP problem, and performance bottlenecks on switches using diagnostic tools and logs.
  - Routing Protocols: Configuration dynamic routing protocols such as OSFP, EIGRP, and BGP on routers to ensure efficient and fault-tolerant data routing.
  - VPN and Security: site-to-site VPNs(IPsec, SSL VPNs) and remote access VPNs, GlobalProtect VPN, ACLs and NAT.
  - WAN Connectivity: Designing and configuration WAN connections technologies like MPLS, leased lines, and broadband.
  - High Availability: Setup HA solutions like HSRP, VRRP, and GLBP to ensure router redundancy and minimize downtime.
  - Wireless LAN(WLAN) setup: SSIDs, security settings and encryption protocols.
  - Wireless Security: WPA2-Enterprise authentication, MAC filtering, and guest network isolation.
  - Controller-Based WLANs: Centralize management, configuration, and monitoring of multiple APs in large-scale deployment.
  - Integration with identity services and performance optimization.
- Deploying and Setup Nodes for Stellar and Ethereum Blockchain private and public network

Company : **Frontier Technology Partners Co., Ltd (March 2014 – May 2017)**

Position : **Senior System Engineer**

Responsibilities

- o Planning, designing, implementing & maintaining "myKyat" system infrastructure including Cisco networking and VMware Virtualization
- o Planning, designing implementing & maintaining enterprise network for Head Office and Branch Network.
- o Installation, configuration and administration ESXi, vCenter Server, NSX Manager, UCS Manager and vOperation Manager for Datacenter management environment.
- o Installation, configuration, and administering Window, Linux Operation System.
- o User Accounts, Organizational Units, Group Policy Objects, Sharing & Security Permission, Performance optimization for Active Directory Service.
- o Installation and administration AD, DHCP, DNS, Cacti, Web application server, Crystal Report and printer server.
- o Installation, configuration and administration Switch, Router, Firewall, AP, SD-WAN and ACI.
- o Regularity maintaining security by updating device firmware, Operation system, software and application, security software.
- o Installation and configuration Geth Nodes for blockchain private and public network
- o Regularity Checking and Schedule Backup as daily.
- o Manage team and vendors

Company : **OKA Management Technology Co., Ltd (Nov 2008 – Nov 2012)**

Position : **Senior Network Engineer**

Responsibilities

- o Planning and implementation Switch , Router, AP and Firewall
- o Implementing and Maintaining network , repairing of Computer Hardware, Internet & Email Services
- o Installation and administration AD, DHCP, DNS , Web application server and printer server
- o Regularity maintaining security by updating device firmware, Operation system, software and application, security software.

Company	: **Columbus Travels & Tours Co., Ltd (Mar 2007 – Sep 2008)**
Position	: **Network Engineer**

Responsibilities

- o Nationwide IP Star satellite station installation at client site
- o User Technical Support and Solving System Error in Windows XP, Vista , Window 7
- o Installation and administration AD, DHCP, DNS rand printer server
- o Accept and solve complaints from the customer, and provide required technical support
- o Installation ,configuration , monitoring and troubleshooting switch, router and firewall

Personal Details

- ● Date of Birth : 1 / 2 / 1982
- ● NRC No : 5/Ma Ya Na (N) 168142
- ● Marital Status : Married
- ● Nationality : Myanmar
- ● Expected Salary : Negotiable
- ● Availability : 1 month notice period

Reference

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