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SENIOR NETWORK ENGINEER – OPERATION & ENGINEERING

Extensive exposure in driving critical assignments across the career with proven success in ensuring optimum results

PROFESSIONAL SYNOPSIS

- Solutions focused, meticulous and result oriented **Senior Network Engineer professional** offering **11 years** of successful career in **IT & Telecom** arena distinguished by commended performance and proven results.
- Proven track record of excellence in analysing business requirements to develop technical network solutions and their framework; Leadership role on network infrastructure projects to design and architect large-scale networks.
- Instrumental in developing architectural strategy, including technology standardization and modernization of enterprise, data centre and disaster recovery network infrastructures.
- Adroit in writing reference architectures and strategic roadmaps for network & network security technologies, and solution architectures for various infrastructure initiatives
- Synchronize with other Architects in designing solutions that are reusable, quick to market, and lower the total cost of ownership.
- Highly articulate, demonstrating exceptional relationship building, communication, analytical and interpersonal skills

AREAS OF EXPERTISE INCLUDE...

*Enterprise Architecture
Service Providers Architecture
Datacentre Solutions & Architecture*

*ACI Design & Architecture
Professional Documentation
Team Management and Leadership*

*Relationship Management
, Time Management, Network
Operations*

PROFESSIONAL CONTOUR

<i>Organization</i>	<i>Designation</i>	<i>Duration</i>
Acuative/KAUST, Thuwal, Jeddah , KSA	Senior Network Engineer	Mar '13 – till date
GlobiNet Solutions/SBM, Riyadh, KSA	Network Engineer	Aug '09 – Mar '13
Accsys/SBM, Riyadh KSA	Network Engineer	Apr '08 – Aug '09

AS Senior Network Engineer at Acuative/KAUST (King Abdullah University Science and Technology), Thuwal, KSA

- Demonstrated excellence in the Design & architecture of company's wide area networks
- Spearhead network engineering project planning, Design, implementation, and coordination in a professional, accurate and timely manner
- Ensure high network availability & optimal network performance; Initiating network research, design & planning to enhance the network reliability and capability, planning large-scale network projects, and recommending network architectures that support the company's strategic directions
- Formulate Networking Projects documentation HLD, LLD, NMP/NIP, NRFU
- Focus on Enterprise Service Provider and Datacentre architecture.
- Lead network critical migrations, MDT and implementations.
- Deliver technical presentations and attend technical discussions to prepare optimum solutions.
- Key role in Customer network operations, troubleshooting and providing a root cause analysis report for critical network failures
- Supporting presales engineers in replying to RFPs and formulating BoQ for large networks.

As Network Engineer at GlobiNet/SBM (Saudi Business Machine), Riyadh, KSA

- Insure the designated operating of STC IP/MPLS core network
- Implementing maintenance operations on IP/MPLS network nodes including Cisco 7600, Cisco 12000 GSRs, CRS-1 Cisco ASRs, Cisco ME3400 switches
- Adhere to SLA parameters while fixing trouble tickets opened by other NOCs and Customer Support Department using Remedy System (RTTS)
- Keep track on STC VIP customers, DSL and Internet Service Providers, MPLS VPNs, MPLS L2 VPN, IPTV, IP RAN, VDSL and FTTH services
- Root Cause analysis of the network outages & vendors compatibility issues

- Maintains and operates STC Control Devices & Protocols, such as Route Reflector, BGP, ISIS, MPLS LDP, Links utilization, CPU utilizations, Broadcast Storms, IOS Bugs, SSM, Module Swaps, upgrade and Crashes
- Oversee and troubleshoot international services, POPs and the international circuits (L2 VPN, MPLS VPN)
- Support other vendors like Juniper, HU, Ericsson & ALU; lead conference calls for troubleshooting multi-vendor service

As Network Engineer at Accsys/ SBM (Saudi Business Machine), Riyadh, KSA

- Lead NOC team and monitor team performance that fulfils the SLA parameters along with the designated service operation
- First Point of escalation in front of STC management
- Keep all the service related parties updated of a certain network outage within the SLA Conditions.
- Generate Technical reports for STC management
- Guide and mentor team members and keep them up to date
- Develop Work Level Agreements (WLA) with other Managed NOC like ANOC, MNOC & TNOC to ensure smooth processing of the multi-vendor services
- Troubleshooting Home & enterprise customers' circuits including DSL lines leased Lines, MPLS VPN, and SIP Modems Configurations
- build the required network infrastructure at customer site network to support the needed service
- Generate technical reports related to customer BW, Quota and subscribing from the RADIUS server

PROJECTS HANDLED

Acuative/KAUST Datacentres Project:

Role: Senior Network Engineer

Description: KAUST undertook a Mega Project to build 3 datacentres in Supercomputer Backbone and Business Center. The core technology for these datacentres is Cisco ACI Fabric, F5 and other vendors are part of this project. The project is implemented in two phases.

Key Deliverables:

- Assigned as a Technical Lead for this project.
- Attend Design workshops in the 1st and 2nd phase.
- Revise Design Documents (HLD, FDD, BoQ)
- Define Scope of Work and the responsibilities for each vendor in this project.
- Revise and approve design documents.

Acuative/KAUST Campus Core Project:

Description: KAUST has world class network infrastructure which contained 8 Cisco CRS's my responsible for design, enhance and implement the recommended upgrades and solution.

Role: Senior Network Engineer Architect

Key Deliverables:

- Assigned as Senior Solution Architect for Campus Core SP and Datacentre Solutions and implementations.
- Introducing Solutions to vendor to creating the required documentations and presentations.
- Supporting Pre-Sales team in preparing the Solutions.
- KAUST Project is a frame contract project, achievements are:
 - KAUST MPLS Core Network Enhancement.
 - KAUST Affiliates Network Upgrade
 - KAUST Tech Refresh 2013 including
 - IGW Upgrade and Enhancement.
 - DC Nexus Core Upgrade and Enhancement.
 - Wireless Network Expansion.

Network Operations Project: KAUST MPLS Network

Description: KAUST has world class network contain 8 CRS, 60 Cisco 7609 PE, and 4 IGW 7609, Wirless Contrallers, IPTV, and Voice setup.

Role: Operation Team Lead Engineer

Key Deliverables:

- Configuring, Troubleshooting, CRS, PE, UPE, Routers with the IP addresses to BGP, ISIS, MPLS and Connectivity between ISP Clouds.
- Attending SAT and PAT for these Sites.

STC Core Network Clean-up Project.

Description: In this project we are cleaning all unnecessary configurations all over the core network.

Role: Network Engineer

Key Deliverables:

- I am working as EVC implementation team in STC plus technical support coordinator for multiple projects; my reasonability is to migrate whole kingdom (224 Cisco 7609 PE-Agg) to new EVC infrastructure with all existing services.

STC EVC Migration Project:

Description: STC is introducing a QoS new service to customers, where each individual business customer will be have a different class of service independent of other customers.

Role: Network Engineer

Key Deliverables:

- Implement new ES+ card all over the kingdom 244 exchanges, and migrate all the vlan services to EVC including L2VPN and L3VPN.

CREDENTIALS

- **BS Degree (Computer Science)** from Preston Institute of Management, Science and Technology 2008 with 3.3/4 GPA.

CERTIFICATIONS

- Cisco Certified Design Expert (**CCDE**), Washington, US Nov '16
- Juniper Network Certified Expert (**JNCIE-ENT**), Amsterdam, Netherlands Apr '17
- Juniper Network Certified Expert (**JNCIE-SEC**), Amsterdam, Netherlands Mar '18
- Cisco Certified Internetworking Expert (**CCIE Security**), Dubai July '18
- Cisco Certified Internetworking Expert (**CCIE Data Center**), Dubai Mar '14
- Cisco Certified Internetworking Expert (**CCIE SP**), Brussels, Belgium Oct '12
- VMware Certified Implementation Expert (**VCIX-NV**) Oct '16
- Cisco Certified Design Associate (CCNP), Lahore, Pakistan Jan '08
- Cisco Certified Design Associate (CCNA), Lahore, Pakistan Dec '07
- ITIL Foundations in IT Service Management, Jeddah, KSA May '13
- Juniper Networks Certified Professional (JNCIP-DC), Jeddah, KSA Feb '17
- Juniper Networks Certified Professional (JNCIP-ENT), Jeddah, KSA Nov '16
- Juniper Networks Certified Professional (JNCIP-SP), Jeddah, KSA Jun '17
- Juniper Networks Certified Specialist (JNCIS-SP), Jeddah, KSA Jun '17
- Juniper Networks Certified Specialist (JNCIS-ENT), Jeddah, KSA Nov '16
- Juniper Networks Certified Associate (JNCIA-Jonas), Jeddah, KSA Jan '08
- Juniper Networks Certified Professional (JNCIP-Sec), Jeddah, KSA Feb '15
- Juniper Networks Certified Specialist (JNCIS-Sec), Jeddah, KSA Feb '15
- VMware Certified Professional 5 Data Center Virtualization (**VCP5-DCV**), Jeddah, KSA Jul '14
- Skill Development Council of Pakistan, (IT Diploma), Rawalpindi, Pakistan Nov '12

TRAININGS

- Undergone training in the following areas
 - Cisco Application Centric Infrastructure (ACI)
 - Data Center Unified Fabric Design
 - CCIE Data Center Boot camp
 - ASR9000 Architecture
 - Bash Shell Scripting and Automation
 - VMware vSphere Install, Configure and Manage (VCIM V5.5).
 - Cisco ACI Field Engineer and SE Trainings.

PERSONAL MINUTIAE

Year of Birth: 1979
Languages Known: English
Nationality: Pakistani
References: Will be pleased to furnish upon request