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**Total Year of** 8 years

**Experience**

**Industry** Telecommunication & Networks

**Objective** To secure a challenging position with the opportunity for professional growth based upon performance that will utilize my abilities developed through my education and experience while contributing to the success of my employer.

**Professional Experience**

Confidential, 2nd September 2009–September 2013

Islamabad –Pakistan

**Network Engineer/Team Lead**

**PERN2** is a 10GbE Metro Optical Fiber Network providing high Internet bandwidth, Intranet services, MPLSLayer2, MPLS layer3 VPNs, VOIP Service, Online Lectures & Online Research Lab, VOD, IPTV, Streaming, Online Test, Online Registration/Course selection, Digital Library, Emailing service to more than 200 Public /Private Universities/Institutes and Colleges in **Pakistan** and this Network is growing progressively with addition of new Universities/Institutes and Colleges.

Working as a **Network Engineer** in Pakistan Confidential Project,

**PERN2** (Pakistan Educational and Research Network). Following were my job responsibilities:

* Deployment and Configuration of Huawei Routers NE80E, NE40E, NE-20 in PERN2(

Universities/ Institutes /Colleges).

* Cisco Routers C7200/C3700/C3600/2811, Cisco Switches C4500-X/C3560/

C2950/C2960 deployment and configurations.

* Cisco ASA 5500, PIX 500 deployment and configurations.
* Implementation of VLANs, Inter-VLAN Routing, GRVP, STP/Rapid STP, Layer Ether \

channel, Layer 3 switching and implement Redundancy (HSRP, VRRP, and GLBP).

* Configuration(s) of OSPF Single/Multi Area, Route Aggregation, DR/BDR, Area

Authentication, Stub Area, NSS Area, Virtual Link.

* Configuration(s) of IS-IS Single/Multi Area, IS-IS Layering, IS-IS electing DIS, Route

Import and Convergence, Silent Port.

* Configuration(s) of BGP Route Aggregation, Route Reflector, Confederation, Route

Selection,

* Configuration(s) of MPLS L3 VPN, Hub&Spoke.
* Deployment of Domain Controller (ADS), DNS, DHCP, IIS, FTP Print Server with

Making, printing pool/spool, ISA Server2004, SQL Server.

* Responsible for keeping the computer networks free from virus and spam threats, to keep

a check on the virus issues and to ensure that anti spam, anti virus software is installed on

the systems.

* Responsible for networking, design, installation and maintenance services.
* Installing and operating Windows desktop and server operating systems. TCP/IP

networking and hardware maintenance and repair. Training new employees. Assistance

with training of staff and compiling procedural documentation.

* Supporting users and network administrators over the telephone and by email.
* Maintain the Organization network infrastructure, monitoring network traffic and maintain

log files and access logs using Solar wind NMS, management overall network issues.

Supervision the network staff for their responsibilities. Preparation of weekly/monthly

work progress reports for higher IT management.

* Deployment, Commissioning and PAT of Huawei OptiX OSN 1500 and BWS 1600G for

Long Haul connectivity.

* Deployment of Nationwide Optical fiber, its testing and Acceptance
* Support in deployment in Video Conferencing Setup in Universities/Institutes/Colleges.
* Preparation of Tender documents (RFP), Floating in newspapers, Bidders Selection,

Signing of Contract Agreement, Project Implementation according Project

Plan/Timelines, PAT and FAT.

* SLA Agreement and its Implementation
* Scheduling meetings with Vendors (M/S PTCL, M/S Wateen, M/S NayaTel, M/S

Multinet, SCO) regarding Project Implementation, Timelines, Progress, Issues, O&M

according to SLA.

Higher Education Commission, 1st Dec 2006 – 2nd Sep 2009

Islamabad, Pakistan

**Network Support Engineer**

Working as a **Network Support Engineer** in Pakistan HEC (Higher Education Commission) Project, **PERN2** (Pakistan Educational and Research Network). Following were my job responsibilities:

* Provided Technical Support in designing Technical Support in Designing 10GbE Metro

Area Network(s) in Pakistan under PERN2 Project.

* Provided Technical Support in procurement of Data communication and Transmission

Equipment for Project.

* Deployment and Configuration(s) of Cisco 3600 router and 2950 switches in HEC LAN

network, Pixfirewall deployment and Configuration, Troubleshooting, Management and

* Monitoring of Network using NMS (Solar wind and HUAWEI NMS).
* Processed the requests received for activation and deactivation of user

accounts as well as provide various rights on these.

* Responsible for monitoring the usage of network systems and servers.
* Responsible to provide training on the usability of any new software application or

system.

* Responsible to ensure that the network runs smoothly and the various departments using

different network systems and applications are able to perform their tasks without any

interruption.

* Designed Islamabad Metro Network for the Connectivity of 22 Universities/Institutes in

First Phase, Prepared RFP for leasing of (including Laying of Supplementary) Optical

Fibre segments for Islamabad/Rawalpindi in PERN2 Project, Float Tender process and

perform Technical and Financial Evaluation.

* Prepared Optical Fibre Contract Agreement Draft which is signed b/w HEC and Naya Tel

Pvt Ltd for leasing of (including Laying of Supplementary) Optical fibre segments in

Islamabad/Rawalpindi region and managing the project.

* Provide help in designing of Datacenters.

Netkom Technologies,11th Aug 2005 – 28th Nov 2006

Islamabad, Pakistan

**Telecommunication Engineer/Team Lead**

NETKOM started its services as a Telecom Service Provider in 2002. Motivated and dedicated teams of professional engineers and Managers have served with leading telecom players in Pakistan and Middle East (Dubai). These professionals, with their experience and dexterous expertise, have provided services to various organizations.

Worked as Telecom Engineer and as Team Leader in Huawei Transmission Projects in NETKOM, I had performed the following Tasks:

* Installation, configuration and commissioning of Huawei SDH 2.5/10G (OFAN II) and

Huawei DWDM BWS 320G in PTCL Exchanges in South Region (Karachi, Hyderabad,

Nawabshah and Dadu) in Pakistan.

* Installation, configuration and commissioning of Huawei SDH Metro (1050) STM1/4 and

Power Equipment (Rectifiers, Battery Banks etc) in more than 80 Exchanges in Central

Region of Pakistan.

* Installation, configuration and commissioning of Huawei CDMA/GSM WLL BTS

(Phase II) at PTCL and Warid sites in Central Region in Pakistan.

* E1/E3 Testing, Bird Meter Testing, Optical Fiber testing with Power/Source meter in

Commissioning of SDH and DWDM and VSWR, Testing with Site Analyzer in

Commissioning of GSM&WLL Equipment.

* Preparation of project progress Reports for Project manager and CEO
* Coordination of Customer for Implementation of Project.
* Performed Commissioning and PAT (Provisional Acceptance) of more than 50 Sites.
* Managed Teams and resources**.**

**Technical Skills**

* **Networking**

Hands-on Experience of Deployment and Configuration of Huawei and Cisco Routers and switches. Cisco ASA 5500, PIX 500 deployment and configurations.

Configuration(s) of VLAN(s), Inter-VLAN Routing, Ports Aggregation, Redundancy, RIP, EIGRP, OSPF, IS-IS, BGP,MPLS Layer3 VPN configuration, PIX, ASA, Domain Controller (ADS), DNS, DHCP, IIS, FTP Print Server with making printing pool/spool, ISA Server2004, Antivirus, Solar Wind, U2000.

* **Telecommunication**

Hands-on experience on Huawei OptiX 1500/2500/3500/7500 Equipment level protection configuration /complicated network configuration/U2000, Management, Ethernet service configuration/testing/maintenance, ASON Configuration, SDH advance trouble shooting. Huawei SDH 2.5/10G installation and configuration, hands on experience on NMS T2000 Hands-on Experience on Huawei OptiX 1600G for configuration of NE and Network, Commissioning. Testing of main channel. OptiX BWS 1600G Equipment Advanced Troubleshooting (Fault classification and methods of fault locating) using U2000 NMS. Optical Fiber Deployment, Testing/ Commissioning/ PAT/FAT using Acterna MTS 5000e/6000 and Exfo FTB 7000 OTDR, Exfo FLS‑300 Light Source and FPM-300 Power meter, Visual Fault Locater, FOMS, Fujikura Splicing Machine, and Mechanical splicing.

**Certification**

**Cisco**

* CCNA (640-802

(CSCO11450059)

**Juniper**

* JNCIS-ER
* JNCIA-ER

**Hurricane Electric**

* IPv6 CERTIFIIED

**Trainings**

* Huawei Net Engine 5000E/80E/40E Series Router Products training (Switching

Technologies, Routing Technologies, MPLS Technologies and Quid way Net Engine

5000E,80E/40E) from **Huawei University Shenzen China. (HUC08DaHQRB04001)**

(December 2008)

* Huawei Optix BWS 1600G Advanced Operation and Maintenance Training from **Huawei**

**University Shenzhen China. (HUC1 2OWSZCLC574001) (**August 2012)

* Huawei Optix OSN 1500/2500/3500/3500II/7500/9500 Advance Operation and Maintenance

Training from **Huawei University Shenzhen China. (HUC1 20SSZCLC61 2001)**

(August 2012)

* [Best Practices in Tier2 Enterprise Fiber Link Testing and Troubleshooting](http://www.linkedin.com/search?search=&keywords=Best+Practices+in+Tier2+Enterprise+Fiber+Link+Testing+and+Troubleshooting&sortCriteria=R&keepFacets=true) Training from

**JDSU USA.** (**OV-JDSU-US-0613-2**) (December 2013)

* Attended 2 days training course on IP/MPLS from NSP (Network Society of Pakistan).
* Attended 1 day training on Information Security from Riphah International University

Pakistan.

* Attended 3 days training on Video Conference Setup from HEC, Islamabad.
* Attended 6 days training on Tandberg Video Conference Solution from Comtelsystem, in

Islamabad. Attended 6 days training on Office Procedures/ Noting and Drafting from

Establishment Division in HEC.

* Attended 4 weeks training from Huawei on SDH/DWDM installation and configuration
* Attended 5 days training on SDH/NGSDH from Training and Development Department

PTCL Academy Islamabad Pakistan.

* Attended 15 days Advance Transmission Training from Nayatel Pvt Pakistan.
* Attended 3 days Optical Fiber Deployment and commissioning/Testing Training from

M/s Wateen Telecom Pvt Pakistan.

* Attended JDSU Live Webinars on 1. Fiber Testing Fundamentals,2 Fiber Inspection and

Cleaning 3. Performing and Analyzing OTDR traces and registered to attend future

Webinars. 4. Troubleshooting DWDM Networks. 5. Timing and Synchronization in

Packet Networks. 6. Understanding Ethernet and IP Networks for triple play services

7. IPTV: Test, Measurement and Monitoring. 7. Ethernet OAM Test Applications and

Technologies.8. Testing Live IP Networks.9. Ethernet OAM Test Applications and

Technologies

**Education**

MS (Telecommunication and Networks) (2011-2013)

IQRA University Islamabad-Pakistan

BS (Computer Science) (2000-2004)

Air University (AU) Islamabad – Pakistan

**References**

Available on request