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MUHAMMAD HASSAN RAZA KHAN

OBJECTIVE:

Seeking a challenging position in prestigious company where education, professional training, experience and commitment to excellence will be utilized to solve telecom and computer networks and telecommunication related problems. Technical and business-savvy professional with a pioneering 4+ year career reflecting strong qualifications, coupled with Service Provider multi-vendor experience & a well-rounded master education with expert level certification of Cisco Networks .Possessing extensive experience in IP Data Network Planning.

EDUCATION:

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| 2012-2013 | Masters in Computer Network Engineering (CGPA accumulative B+)
HALMSTAD UNIVERSITY, Halmstad Sweden. |
| 2004 - 2008 | Bachelors in Electrical (Telecommunication) Engineering (CGPA 2.4)
COMSATS Institute of Information Technology, Lahore |
| 2001 - 2003 | <ul style="list-style-type: none">• F.Sc [Pre - Engineering] (754/1100 1st division) |
| 1999 - 2001 | <ul style="list-style-type: none">• P.A.F Intermediate College Lahore cantt.
Matriculation (Physics, Chemistry, Computer) (565/850 1st division)
P.A.F Intermediate College Lahore cantt. |

COURSES/CERTIFICATIONS:

- **CCNP TSHOOT Troubleshooting of computer networks (Version 6.0)**
Troubleshoot IPv4 addressing services
 - Troubleshoot IPv6 routing issues
 - Troubleshoot network infrastructure services
 - Troubleshoot network performance issues on switches and routers
 - Troubleshoot network integration issues affecting wireless connectivity, VoIP, and video

· Practice maintenance procedures and fault resolution in a secure infrastructure

Institute: Halmstad University Sweden.

- **CCNP SWITCH Implementing IP Switching (Version 6.0)**

- Implement, monitor, and maintain switching in an enterprise campus network

- Implement appropriate spanning tree protocols in campus networks
- Implement VLANs in campus networks
- Configure and optimize high availability and redundancy on switches
- Describe and implement LAN security features
- Plan and prepare for advanced services in a campus infrastructure

Institute: Halmstad University Sweden.

- **CCNP ROUTE Implementing IP Routing (Version 6.0)**

- Explain complex network requirements and design models for implementing advanced routing service in an enterprise network

- Implement EIGRP and OSPF in an enterprise network
- Exchange routing information between interior gateway protocols
- Implement various mechanisms for controlling routing updates and traffic
- Implement BGP to allow an enterprise network to connect to an ISP
- Describe a basic implementation for branch office and mobile worker connectivity

- Implement IPv6 in an enterprise network

Institute: Halmstad University Sweden.

- **Training of Cisco Certified Network Associate (CCNA)**

Version: 840-12

Institute: CORVIT Systems, Lahore

- **HAUWEI BTS & BSC Software Configuration and Hardware Implementation**

Institute: U.E.T, Lahore

EXPERIENCE:

University Delgi Padua Italy (Researcher network Security) from Jan 2016

- Working In CCN and NDN Security measures.
- Working on secure mobility for Name data networks research project of Cisco.
- Doing Research on Pre authentication handover in ICN future mobile network.

**Ericsson MSLD PAKISTAN PVT LTD. (Packet core BO engineer LTE)
november 2014 Jan 2016**

- operation and maintenance of Warid 4G LTE project Packet core
- Performance optimization and Operation of Packet Core Nodes -SGSN, GGSN, MME, SGW, PGW.
- Hands on experience on Cisco ASR 5x00 used as SGSN/MME, GGSN/SPGW
- Planning and configuration of Packet Core Nodes-GGSN, AAA, DNS. etc
- Installation and commissioning of Cisco ASR 5000

Salam Mobile ApS Denmark (Project engineer) from march 2014 to November 2014.

- Design, implementation, ongoing management and troubleshooting of Porta One class five switch, including Call Manager / Unified messaging.
- Implementation of all services for Salam cellular company regarding Porta One. e.g Auto Attendant, call routing, tariff management , Access List Configuration, Media Resource Configuration, Music On Hold Audio Source Configuration, Music On Hold Server Configuration, Device Configuration, Gateway Configuration, Phone Configuration and Trunk Configuration.
- Configuration of call signaling protocols on Voice Gateways H.323 ,MGCP and SCCP

Gurucom Inc. THE VOIP FACTORY United States Amaerica (VOIP Engineer) 2013

- Complete configuration and integration on VSC and VOS soft switches of different versions.
- Managing full project of gurupinless on wholesale and retail basis.
- Managing trunk and vpn services provided.

BLUE STORM ELECTROMECHANICAL PROJECTS & MAINTENANCE UNITED ARAB EMIRATES: Network Communication Engineer(2011)

- Managing all Datacom Maintenance Project.
- Monitoring the network.
- Configured and maintained networking devices on the LAN, WAN, CISCO routers, Switches,Wireless (Cyclone, Orthagon, Canopyetc.)
- Implementation of TCP/IP & related Services-DHCP.
- Trouble shooting and problem resolution of exclusive customer network difficulties.
- Configure and implement Remote Access Solution: VPN.
- MPLS VPN/MVPN testing.
- Version Up gradation and replacement of faulty boards of the routers.

- Working on the technologies like **BGP, MPLS TE, MPLS/L2VPN, MPLS/L3VPN, MVPN, Multicasting, OSPF, IP-Trunk, Eth-trunk.**
- Evaluation of new network technologies, management, and analytical tools.
- Perform Troubleshooting end-to-end between the several sites.
- Working as a SITE INCHARGE in a In Building Solutions IBS projects.
- Design the layout for cable Installations.
- Works in Network Operation Centre for a vendor Leblanc telecom L.L.C U.A.E.
- Installation of complete site In Building Solution.
- Testing and commissioning.

ELECTRONIC TRADERS PAKISTAN (OUT SOURCE MOBILINK EMPLOYEE): Communication (BSS& NSS) Engineer (2008 to 2010)

- O&M of Microwave links of different vendors (NEC, Dragon Wave) involving troubleshooting hardware replacement and configuration.
- Done the PM and CM of sites.
- Microwave network analysis and audit.
- O&M of NEC Microwave Links by using PNMT & HyperTerminal.
- Rectification of Core Network connectivity.
- Conducted surveys for LOS
- Maintain Sites Connectivity.

COMPUTER SKILLS & EXPERTISE:

TECHNICAL SKILLS

- Cisco 2600 Series Router
- Cisco 2800 Series Router
- Cisco 1841 routers
- Cisco WS-C2960-24TT-L switch
- Catalyst 3560-24PS switch
- Other Cisco switches (such as a 2950 or 3550 and same series)
- Routing Protocols (BGP, MBGP, IS-IS, OSPF, EIGRP and RIP)
- MPLS (TDP & LDP) and MPLS TE (RSVP)
- MPLS VPNs, IP Sec VPNs and L2VPN using MPLS.
- Layer 3 Multicasting
- QOS implementation for different types of traffic (Voice, Signaling, Charging and O&M)
- Layer 2 protocols and technologies (Frame Relay, Ethernet, PPP and PPPoE).

- Network Redundancy VRRP,HSRP e.g
- Good knowledge of Digital Telephony.
- Have strong concepts of GSM and GPRS Network.
- Working experience and good command on Engineering Tools like MATLAB and SIMULINK.
- Good understanding of Microsoft Office Tools like MS word, Power point and Excel.
- A fair ability to interact with any kind of Computer Software.

INTERPERSONAL SKILLS

- Have good Communication Skills and Team Work.
- Have good Presentation Skills.

FINAL YEAR PROJECT/THESIS:

In press “**ICN-based Authentication Protocol for a Simplified LTE Architecture**” In EEE International Conference on Communications 21-25 May 2017 // Paris // France.

My thesis of master’s degree in Halmstad university Sweden was on **INVESTIGATE SOLUTIONS FOR INTRUSION PREVENTION AND DETECTION**. It was a practical based project thesis, which investigates different solutions of network security by combining IPS and IDS.

My Final Year Project in Bachelors was “**USE OF ADAPTIVE BEAMFORMING TO INCREASE THE CAPACITY OF CDMA NETWORKS**”. It was a research based project and was based on studying beam forming algorithms and by them applying smart antennas on CDMA network to increase its capacity.

PERSONAL DETAILS:

<ul style="list-style-type: none"> • Date of Birth: 5th March, 1986 • Residence Italy • Personal no. 9860305-4967 • Nationality: Pakistani 	<ul style="list-style-type: none"> • Marital Status: Single • Domicile: Punjab
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REFERENCES:

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