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SYNOPSIS

- In depth experience in Installation of SD Data centres and technologies, SD-WAN Network & security appliances in highly secure environments with high emphasis on network standards wireless & security policies.
- Expert in deploying Data-Centers deployments , wireless and wired network solutions networks, WAN/LAN Routers, NG firewalls, Proxy Appliances, NAC and SIEM solutions etc. providing end to end solution with secure tunnelled connectivity between remote offices and HO.
- Implemented advance technologies in large scale networks like MPLS, L2 and L3 VPNs, BGP and QOS for voice and data traffic etc.
- Recently build new Data center in 2019 and deployed latest technologies with AI and IoT devices, Deployed NOC, SOC setup in organization. Working on NAC, DLP and latest SIEM Solutions to protect and enhance security of organization and assets.
- Experience of SDDC, Data Centre Core network, Provider Edge and customer edge network with implementation of advance routing protocols & technologies.
- Cloud Services hosted Successfully, Completed migration of services to cloud.
- In depth knowledge of Data Centres system architecture and network design providing clients with full proof solution & security for highly confidential and sensitive data.
- Well acquainted to client interaction and technical design documentation.
- Sr Member of the technical design and pre-sales team.
- Technical Trainer and Use to design Technical Solutions/Proposals.

Summary of Skills and Certifications

- **Certifications**
- **JUNIPER Networks**
 - **JNCIP-SP (Service provider) Certified**

- JNCIP-ENT (Enterprise Routing and switching) certified
- JNCIS-SEC (Security) Certified
- JNCIS-WLAN (Juniper Wireless LAN Certified)
- JNCIS-SP (Service provider Specialist)
- JNCIS-M (M/T-series Specialist) certified
- JNCIS-FWV (Firewalls-SSL VPN Specialist)Certified
- JNCIA-ER (Enterprise Routing) Certified
- JNCIS-ER (Enterprise Routing) Certified
- JNCIA-EX (Enterprise Switching) Certified
- JNSEC-ES (Enhanced Services) Certified
- **Fortinet**
 - NSE 4 - FortiGate Network Security Professional
 - NSE 5 – Training completed and hands on experience 3 years +
 - NSE 7 completed 2018

Sales Certifications;

- JNSS-S (Sales Specialist / Certified)
- JNSS-R (Sales Specialist / Certified)
- JNSS-M (Sales Specialist / Certified)
- *F5 networks Load Balancers BIG IP 4000 LTM,ASM deployed*

Trainings and Other Certifications;

CISCO Networks

- Cisco Wireless Mobility and Identity Services Engine (Cisco ISE)
- CCNA & CCNP Hands-on lab(Routing and Switching)
- CCNP(Cisco Certified Network professional)
- NSX, ACI and Nexus deployed

Bluecoat

- Blue Coat Certified ProxySG Professional (BCCPP)

Brocade Networks

- BCNP(Brocade Certified Network Professional)
- BCNE (Brocade Certified Network Engineer)

Allied Telesis Networks

- CAP (Certified Allied Telesis Professional)
- CAP (Certified Allied Telesis Professional)

Huawei Networks

- HCNA/HCDP (Huawei Certified Network Associate)

Aruba Networks (Wireless)

- Aruba Mobility Professional Certified (ACMP) 2018
- Aruba Networks Hands-on lab Training
- Mobility Controllers, Access Points, and Aruba Instant and Mesh
- Air ware and Clear Pass

RUCKUS Networks (Wireless)

- Ruckus Wireless Networks Hands-on lab Training Nov 2013

Juniper Networks

- JUNIPER Networks (SPI Training Dubai 2012)
- JUNIPER Networks (Service provider 2012 Training Dubai)
- Juniper Networks JTNOG Support ENT& Sec Tracks Training by Spectrum Dubai, UAE 2013
- Juniper JTNOG,JNCSP-ENT, JNCSP-SEC Hands on lab training 2013
- **Fortinet Networks 2019**
 - Fortinet Products, Fortigate NG Firewalls ,Sandboxing , FortiManager,FortiAnalyzer, FortiAP, FortiGateVM, FortiSwitch and Fortimail and Fortin NAC and SIEM Solution Hands on experience
- IBM Servers_and Switches Hands on experience
- **F5 networks Load Balancers BIG IP 4000 LTM,ASM deployed**
- **Vmware ESXi , vSphere environment with virtual center management DRS, HA vMotion vCenter operation manager**
- **VDI Solution deployments**

Awards

BEST Performance award in GovT IT transformation 2017 (TRA Dubai)

Best Innovation technology liquid immersion cooling data center 2019

CISSP Award 2009 CIT Institute IslamabadPakistan

Performance Recognition Award 2008 (InterActiveGroup)

Employee 5 yrs service Award (InterActiveGroup)

Performance Recognition Award 2012 (InterActiveGroup)

PROFESSIONAL EXPERIENCE AND PROJECTS

- **1 - Ministry Of Infrastructure Development , HO Dubai, UAE**

<https://www.moid.gov.ae>

Sr Technical Network and security Team Lead July, 2015 –Till date

MOID is a UAE federal entity, I am designing end to end solutions, providing best-of-breed product solutions, I am committed to service quality and operational excellence, with an eye to continuously improving the client experience and internal offices setup and projects, Managing teams internally and day to day works for smooth business operations and network and security tasks between MOID HO and remote offices.

Recently build new Data center 2019 and Deployed latest technologies with AI and IoT devices, Deployed NOC, SOC setup in organization. Deployed NAC, DLP and latest SIEM Solutions to protect and enhance security of organization and assets.

Managing organization's IT network and security services with HO DC, branch DC and remote office sites. With an experienced engagement team, I am offering the full spectrum of services – technical Planning to training, logistics to teams and deployments of each IT project in HO and remote offices. Deployed IP Telephony and Telepresence solution with Robotics technology in 2018.

As on onsite consultant participating in all IT projects, planning, solution designing, and meetings with technical teams and assisting them for technical and optimized network design strategy and complete project cycle till end. UAE GIS system team assistance, Road and transport federal network system technical support, Conducting POC as per new technologies on requirements, design finalizations HLD and LLD. Latest technologies Integration of systems, test bed into live production network.

Deployed and working recently on new enterprise solutions consisted of multiple scenarios/technologies, NAC, SIEM, Proxy appliances, Aruba Enterprise Wireless solution and SD WAN and load balancers , IoT devices etc.

Conducted networks professional trainings for many National/International partners' enterprises and distributors, clients for routing, switching and security tracks.

- Involved with product Proposals against RFP/RFQs, designed deployments based on client requirements with an eye towards future scalability.
- Part of designing team & consultancy for medium to large business enterprises and service providers.
- Good understanding and hands on configured of enterprise & service provider routing and switching and security.
- Has been the part of Brocade, Huawei and Gate protect training team and has given brocade trainings to different customers.
- MOID is a UAE federal entity, I Designed end to end solutions network transport, security, application integration, core data center layer 2 and layer 3 requirements, etc. for major customers used Juniper networks products.
- Documentation of servers and test cases for numerous Data servers core services health checks for smooth business output to get high KPIs.

➤ **2- Enterprise Systems Trading (Distribution) , Dubai**

<http://www.esystems.com/>

Technical Consultant Dec, 2014 –TO July 2015

Enterprise Systems is a value-added distributor dedicated to enabling channel partners with networking, convergence, mobility and security solutions for their enterprise clients across the Middle East and Africa.

Dedicated to best-of-breed products and true end-to-end solutions, Enterprise Systems is committed to service quality and operational excellence, with an eye to continuously improving the client experience.

With an experienced engagement team, Enterprise Systems offers the full spectrum of services -- marketing to sales, technical to training, logistics to finance.

As an onsite consultant participated in meetings with technical teams and assisted them for optimized network design strategy. Conducted POC as per new design, finalized HLD and LLD. Integration of test bed into live network.

Conducted networks professional trainings for many National/International partners' enterprises and distributors, clients for routing, switching and security tracks.

- Involved with product Proposals against RFP/RFQs, designed deployments based on client requirements with an eye towards future scalability.
- Part of designing team & consultancy for medium to large business enterprises and service providers.
- Good understanding and hands on configured of enterprise & service provider routing and switching and security.
- Has been the part of Brocade, Huawei and Gate protect training team and has given brocade trainings to different customers.
- Designed end to end solutions (network transport, security, application integration, core data center layer 2 and layer 3 requirements, etc.) for major customers used Juniper networks products.
- Documentation of servers and test cases for numerous server health checks.

➤ **3 - Spectrum Group Spectrum-me, Dubai UAE**

<http://www.spectrumme.com/>

Sr Technical Network Consultant/Trainer FEB, 2014 –TO Dec 2014

As an onsite Engineer, consultant and technical trainer participated in projects with technical teams and assisted them for optimized network design strategy, solutions and conducted technical trainings. Conducted POC as per new design, finalized HLD and LLD. Integration of test bed into live network.

Deployed solution consisted of multiple MX960 chassis in failover scenarios, configured to perform ECMP load balancing, health check used RPM probes, and filter based forwarding coupled with SLAX scripts for automated failover scenarios. Application Security, and Network Administration are also One of the areas that I have worked on within the organization. Implemented Advance technologies in large scale environments.

Conducted Juniper networks professional trainings for many National/International partners' enterprises and distributors, clients of Juniper for routing, switching and security tracks.

Led team of engineers responsible for all Production and Back Office systems in 2 offices and 3 datacenters

Designed and Implemented Wireless project for Public sector. Responsible for the design, development and execution of test cases specific to wireless.

- Involved with product deployments based on client requirements with an eye towards future scalability.
- Part of designed team & consultancy for medium to large business enterprises and service providers.
- Good understanding and hands on configuring of enterprise & service provider routing and switching and security.
- Designed and implemented IGPs and BGP as per customer requirement.
- Designed and implemented MPLS Core for various customers.
- Designed & implement layer 2 switching, port security, link Aggregation, storm Control & virtual Chassis of EX4200, EX4500 & EX8200 series switches for various customers.
- Designed and implemented VPN for various customers used Juniper Firewall/IPSEC devices
- Has sound knowledge of Juniper System, with some hands on MX, EX, J, SRX and SSG devices.
- Has done the Cisco to Juniper migration for spectrum clients.
- Has been involved in given trainings to all the high level Customers of Spectrum and mostly Service providers.
- He has been involved in different small to medium size projects during his tenure in Spectrum.
- Have done several high levels troubleshooting for different customers.
- Has been the part of Brocade training team and has given brocade trainings to different customers.
- Designed end to end solutions (network transport, security, application integration, core data center layer 2 and layer 3 requirements, etc.) for major customers used Juniper networks products.
- Troubleshooting of network devices for abnormal & unusual behaviors and subsequent coordination with devices
- Implementation of numerous Site to Site Virtual Private Networks as per client requirements.
- Documentation of servers and test cases for numerous server health checks.

Experience on Relevant Technology Security products, Wired and Wireless/WLAN

Deployed Aruba Access points in the Defense Sector that comprised of large scale 802.11ac and 802.11n Access Points for indoors and outdoors environments. Implemented Juniper (Trapeze) solutions that provided a complete solution involved client access, spectrum analysis, wireless mesh and bridging services. Also configured 802.11n to deliver seamless mobility in indoor and outdoor deployments as required for wireless data, VOIP and video.

The projects involved optimized channel utilization and client distribution as well as led the implementation team for the onsite deployment.

I was involved in business proposal and BOQ preparation and project plan processes for all projects.

My projects and Clients; UAE and Saudi

- **Mobily telecom Saudi Arabia**
- **ETISALAT UAE**
- **Du UAE**
- **NYU Abu Dhabi, UAE**
- **ALPHA DATA UAE**
- **ICT Qatar**
- **STC Saudi Arab**
- **Telenor – Norway**
- **TEDATA – Egypt**
- **NSN - Pakistan**
- **IBM - UAE**

❖ **4 .InterActive Group UAE - <https://www.interactivegrp.com/>**

Team Lead Networks–Feb 2007toJan 2014

The experience that I have gained over here is primarily in Networks & Security comprised of Installation of network & Security Appliances, Design/Implementation of Networks architecture and through a Policy driven approach. Systems Architecture, Application Security, UNIX and Network Administration are also one of the areas that I have worked on within the organization. Implemented advance technologies in large scale networks like MPLS, L2 and L3 VPNs, BGP and QOS for voice and data traffic etc.

❖ ***Interactive Group Projects From 2007 to Feb 2014;***

4.1Interactive Group Data Centers

State-of-the-art facility built used latest technologies with high emphasis on standards, security-focused operations and Service Delivery Network Architecture. Data center acts as the centralized hub for connectivity and automation of all the remote offices and branches throughout all the major cities of Pakistan provided secure data access and storage.

Deployment of Network Devices at Peshawar Data center, Quetta Data center, Lahore Data Center. Karachi Data Center and Connectivity is given to these data centers. Implemented and managed core network of these cities and HUB.

Responsibilities and Tasks Included

- Has been involved in the redesigned and implementation of Interactive Group Network and data centers.
 - Delivered and implemented secure network security architecture for the Data Center.
 - Management of Network & security Operations for the Data Center.
 - Designed and implemented the Core routers, Load Balancers, Juniper SRX and Net screen Firewalls solution used Juniper and Brocade appliances with advance technologies.
 - Configurations of Switches, Routers and firewall policies, routing, zones, Virtual Private Networks, High Availability, virtual chassis/Stacking on switches with QOS.

- Implementation of numerous **Site to Site Virtual Private Networks** as per client requirements.
- Provisioned of Internet and services from central site to all regional offices of InterActive
- Installation and configuration of host based firewalls on Solaris and Windows Servers.
- Installation and configuration of **Centralized Antivirus Server** and client machines.
- Documentation of servers and test cases for numerous server health checks.
- Involved in Deployment OSPF, IBGP, MPLS, and L3VPNs for IP/MPLS core used **Juniper M7i and Juniper M10i routers** for connectivity of Regional Offices with Central Site.
- Installation , configuration and deployment of following Hardware appliances and server :
 - ✓ NTP Servers and NMS
 - ✓ DNS Bind Server and Load Balancer
 - ✓ Virtual Chassis and Stacking of core switches
 - ✓ Log management Servers
 - ✓ Bluecoat proxy server with antivirus
 - ✓ Web sense Enterprise and load Balancer

4.2 Fauji Fertilizer Company Pakistan

Network , Security ,Wireless and Video Surveillance and Security Project

InterActive Group is one of the leading IT houses/Data Center specialized company provided network & security, surveillance security solutions to top tier clients like the Public sector clients and private sector both.

Mir PurMathelo and Ghoth Machi plants parameter security project is ongoing project and i was and i was involved since 2012 for planning, designing to implementation part.

Used latest technologies and appliances with high emphasis on a security-focused operations designing and implementation of surveillance security solution using industrial rugged POE switches for outdoor environments and also part of the passive network infrastructure team.

Designed and installation of high bandwidth network for 700 IP cameras with motion detection, Ring topology and Qos features.

Deployed and managed 10G core and 1G ring (Edge) network with high availability/redundant network.

4.3 Data Mediation (Data Centers countrywide)

Collection of data from remote locations spread over Islamabad and Lahore for mediation purposes.

I was assigned the task of design implementation and client interaction with customer's technical personnel to provide end to end secure connectivity for front end applications catering to data mediation.

Responsibilities and Task Included

- Responsible for designed and implementation of customer's network infrastructure.
- Perform Site Surveys, and provide consultancy on network deployment.
- Configuration and Implementation Netscreen and Junos SRX firewalls as VPN Clients.
- Implement VPN connections used SRX 3600 and Netscreen ISG2000.

- Configurations of **Firewall Policies, Routing, Zones ,Virtual Private Networks, High Availability and Load Balancing between Core firewalls**
 - Convergence of more than 100 sites to a central location used fiber and WiMax medium.
 - Perform Troubleshooting end-to-end between the two sites
 - IP Telephony deployment within Police Stations all across Pakistan, consisting of **800+ IP phones.**
 - Involved in Deployment OSPF, IBGP, MPLS, and L3VPNs for IP/MPLS core used **Juniper M7i , M10i , J6350 and 2350 routers** for connectivity of Provincial Head Quarters with Central Site.
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4.4 Pakistan National Police Automation Country Wide Project

Country wide automation of Pakistan Police used thin client technology and WiMax (VPN Secured as communication medium to bring all the police stations to a central Data Center to serve the thin clients.

In those projects I was responsible for the deployment of core networks and firewalls at all central locations ranging from provincial level to district level stretching up to the last mile location i-e Police Stations.

Also I was involved in deployment of Core IP MPLS Core Network Between the provincial headquarters of Pakistan running RIP, OSPF, IBGP, RSVP, and MPLS VPNs.

4.5 HMIS Data Centers (Health Care Industry)

State-of-the-art facility built used latest technologies with high emphasis on a security-focused operations and Service Delivery Network Architecture. Data center acts as the centralized hub for connectivity and automation of all the remote sites and branches throughout all the major cities of Pakistan provided secure data access and storage.

Deployment of Network Devices at Kharain Data center, Mangla Data center, Lahore DataCenter. Etc Connectivity is given to these data centers and Handed over to O&M Dept.

Previous Experience before Interactive Group:

❖ 5. BrainNet Internet service provider (ISP)

Network Support Engineer - June 2006to January 2007

Responsibilities and Tasks included

Worked as Network Support Engineer troubleshoot and Monitor network

- Part of designed team & consultancy for medium to large business enterprises and service providers.
- Designed and implemented IGPs and BGP as per customer requirement.
- Designed and implemented Subscriber management as per customer requirement.
- Designed & implement layer 2 switching, port security, link Aggregation, storm Control & virtual Chassis/Stacking on switches for various customers.
- Has done the Cisco to Juniper migration for clients.
- Has done the Implementation of Foundry deployment for different customers.
- Deploy 13 domestic branch Offices wireless network for almost 4000 users.

❖ 6. IQRa Net Internet service provider (ISP)

Network Support Engineer - June 2004 to April 2006

During my stay there i worked on;

Vsat SC/PC Link ,Satellite Modems
SMC Switches and Gig Switches
Allied Telesis network routers and switches professional
Proxy Appliances and Servers (Bluecoat)
Content Management Software (Surf Control, Websense Enterprise
Familiar with WiMax PTP and P2MP links and VSAT Satellite deployment methods
Network Designing, Network switching and routing specialist.
Cisco Routers and Switches (3640,3745,2600)
Foundry L3 and L2 Switches(EdgeIron,ServerIron and Fast iron Family) and load balancers
Foundry BigIron, ServerIron and SuperX switches
Link aggregation/redundant links
Dual internet homing with two ISPs Design and implementation
VRRP (virtual router redundancy protocol)
ACLs and VIPs on ServerIron LBR
MPLS ,QOS,VOIP and RIP,OSPF,BGP Protocols
Multicast streaming project as per client requirement
Policing , zoning and protocols configurations on juniper devices

EDUCATION

BS in Computer Science

July 2002 – Oct 2006

KUST – Department Of Computer Science

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