

imtiazh ahmed



Experience 26 years 10 mons
Current salary 250000
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Personal Information

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Education

ILO-TRAINING BY DWWTC JMV INSTRUCTOR LEAD ONLINE TRAINING
JUNIPER JUNOS MPLS AND VPNS TRAINING (100.00%)
2011 - 2022

JunOS MPLS and VPNs Training, ILO-Training by DWWTC JMV Instructor Lead Online Training, 22/11/2012 - 27/12/2012

PK SIG
PK SCHOOL OF INTERNET GOVERNANCE (PKSIG) (100.00%)
2020 - 2020

Internet Governance 3-day workshop

INTERNET SOCIETY (ISOC)
SHAPING THE FUTURE OF INTERNET (100.00%)
2020 - 2020

Chapter Initiative for Shaping of Internet with adoption of Secure Wireless Networks and Community awareness

ISOC
INTRODUCTION OF NETWORK OPERATIONS UNIX/DNS (100.00%)
2019 - 2019

ISOC sponsored NetOps Certificate Course covering Network Operations, UNIX and DNS infrastructure

UNIVERSITY OF PENNSYLVANIA
CAPSTONE ENTREPRENEUR PROJECT (90.00 CGPA)
2016 - 2017

Creating business from startup to grow

BROADBAND WORLD FORUM, BEIJING
ADVANCE POLICY SERVER INTEGRATION IN BROADBAND NETWORK (111.00%)
2007 - 2007

Advance Policy Server Integration in Broadband Network, BBWF Beijing, China 22/06/2007 - 28/06/2007

HUAWEI TRAINING CENTRE, SHENZHEN, CHINA
ACCESS SERVER SYSTEM ENGINEER TRAINING (111.00%)
2001 - 2001

Access Server System Engineer Training, Training Center, Huawei Technologies Co. Ltd., China 27/06/2001 - 05/07/2011

COVENTRY UNIVERSITY, UNITED KINGDOM
OPERATIONAL TELECOMMUNICATION (72.00 CGPA)
1996 - 1997

Data Communication, Information Theory, Telecommunication standards, Regulatory Framework and Internet Technologies

UNIVERSITY OF ENGINEERING AND TECHNOLOGY, LAHORE
ELECTRONICS AND COMMUNICATIONS (84.00 CGPA)

1985 - 1990

Communication Theory, Electronics, Digital Systems, Probability Theory

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION SARGODHA

FSC (80.00%)

1982 - 1984

Mathematics, Physics, Chemistry, English, PS and Islamic studies

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION SARGODHA

MATRICULATION (93.00%)

1980 - 1982

Mathematics, Physics, Chemistry, English, Islamiat and PS

Experience

INARA TECHNOLOGIES

DIRECTOR

2018 - Currently Working

As a solution Architect, designed solutions for Information Security for Service Providers and Enterprises having focus on:

- Automation, Operational Scripting, and DevOps integration points of security workflows
- A scalable infrastructure for analyzing thousands of malware samples
- An easy-to-use API for automated malware submission and resolution
- Threat intelligence feeds for real-time analysis of potential threats
- To administer security policies in a large enterprise, especially with multivendor products in a heterogeneous deployment
- Firewalls to be spread across different types of IP, Wireless, and SD-WAN networks, and hosted in private and public clouds
- An Open Ecosystem to integrate security products and technologies for coordinated management and enforcement of Security policies
- Open Security architecture with multiple technology vendors for policy management by plugging security components through APIs

Open Cybersecurity Ecosystem Framework Development:

- Broad visibility across the networking and security components in the deployment, including policy information configured in each security component
- Reduce the attack surface by modifying security policies to optimally restrict access and traffic flows
- Streamline network security changes by automating design and provisioning.
- Rules against compliance policies to flag risks
- Identify and fix security policy rules that are misconfigured or unused
- Provide automated audit trails to comply with regulatory standards such as PCI DSS, NIST and SOX.

DevOps Automation Tools and Scripts

- Adopted processes to unify solutions with automation tools and scripts
- Policy enforcement and accelerate remediation
- Automation script to protect workloads in the cloud by linking a threat detection feed from the cloud provider
- Trigger events on virtual firewalls in the workload environment
- The script enables the information in the threat feed to propagate to the firewalls so they can automatically block traffic
- Automated responses and workflows throughout the environment unifying security
- Community-developed resources for collaboration with End User Teams
- Transforming Endpoint Security to cloud, mobile, and IoT/OT (operational technology) networks

Consultancy to Organizations on the path of digital transformation for:

Cyber Transformation & Risk Management

Cloud Security Architecture and Path to Zero Trust

Managing Compliance with a remote workforce

Threat and Vulnerability Management and Rapid Response

- Provide broad visibility across the networking and security components in the deployment, including policy information configured in each security component.
- Reduce the attack surface by modifying security policies to optimally restrict access and traffic to address security imperatives.
- Streamline network security changes by automating their design and provisioning.
- Check rules against compliance policies to flag risks.
- Identify and fix security policy rules that are misconfigured or unused.
- Provide automated audit trails to comply with regulatory standards such as PCI DSS and SOX.

Transforming Endpoint Security Organizations are seeing their network environments become more complex as they extend

Open Cybersecurity Ecosystem

To unify multivendor solutions a broad, integrated, and automated framework is required. Developed this framework to provide broad visibility by enabling siloed security elements.

TEDS ICT LLC, INDIANA, USA
COO/DIRECTOR
2013 - Currently Working

IP & Broadband Consultant, and Future Strategist to solve routine technical issues by implementing best practices.

Served as independent consultant, providing consultancy for solution of Green Internet for classified environment.

As a startup suggested different models for Internet Exchange in Pakistan and presented idea of Neutral and business oriented Internet Exchange Point to MoIT and later adopted with ISOC (Internet Society) implementing on national level.

Juniper and NUST Academic Alliance Program under Academic Alliance Program (AAP) established at SEECs in 2014. The idea was to include network security trainings in Bachelors and Masters programs.

Principal strategist and visionary, orchestrated all bottom-line factors including company vision, long-range strategic planning for ICT Solution Provider as well as spearheaded routine operations and functions. Strategically worked as architect and representative of renowned International Companies in the areas of Networks, Mobile Apps, Web Security, Secure DNS and OSS/BSS, Consulting. Exercised hands-on approach to design Cloud based Virtual Data center to cater needs of Education Sector under UNICEF project; accomplished deals of FTTH network deployment for a housing complex for SMART CITY road map. Designed and devised Information Communication Technologies, System Integration, IP, and Broadband Solution. Consultation, Design, Development, Operation of IP based Contact Centre (IPCC) for Complaint Management System in Education department.

Public Launch of UNICEF sponsored project for Secondary Education Department of Balochistan.

The Architecture and SDLC was performed with local resources and System Integration done in-house without any foreign vendor involvement. The Main elements of stack were:

1.1 Internet Access

Dedicated GPON connection with redundancy of Wireless connectivity from the ISP of repute.

1.2 .NET Development Environment

.NET local host development or staging environment established separate from production server. Git/TFS used for version control.

1.3 Web Application

Azure webapp services used to link with local development server with continuous integration (CI) feature which updates the live site automatically.

1.3.1 Mobile Application

Android/iOS based Mobile application is suggested for Dashboards and reports part with some executive views for different roles.

1.4 Dashboard and Reports based on Machine Learning

We have young resources who are working on Big Data and BI based on Machine Learning and deep learning concepts. We can make dashboard more interactive and robust with front-end graphs in a more intelligent way and interactive. I can give a separate presentation on this idea.

1.5 Capacity Issues with SMS/IVR Volume

Resolved capacity issues in terms of hardware which can hamper the inflow of requests from Web, SMS, IVR and walk-in. Prepared a WAN security model for business organization linking the Head office and Site offices through MPLS VPN using Industry standard firewalls and multiple ISP connections for Primary and Secondary routes. Implemented PKI and IDP detection and web filters to secure the web traffic. Designed Layer 2 IPv6 strategy for secure connectivity and own DNS and ASN with upstream providers.

Designed a Community based secure Internet Access using GEAPON and encrypted Video stream with a concept of safer internet for private housing scheme. Signed MoU with a Telco to provide Fiber uplinks and NOC solutions.

INAVISTA SOLUTIONS, ILLINOIS, USA
CEO/DIRECTOR
2017 - 2020

Utilized leading from the front management style as a catalyst for establishing a software company with US stakeholders to grab Business Applications development for Fortune 500 companies.

-Designed project management tool to fulfill needs of Enterprises and integrate with the existing ERP solutions.

-Played a stellar role in bidding AI driven Project Management Applications for integrated Big Data technologies as well as Business Intelligence methodologies

Developed expertise in a multinational environment of cross functional teams across the globe stationed in the USA and Canada. Advised for integration of the Core ERP add-ons on Azure Cloud by eliminating options to deploy applications on AWS and IBM Cloud.

Managed Services for Secure Cloud Architecture covering:

Azure Cloud Networks
Hub & Spoke Topology

NSG
Azure Firewall
DMZ on Azure
ARM Templates
High Availability
Azure Sentinel
Enterprise Mobility + Security (EMS)
Intune
Cloud App Security
Defender ATP

Implemented built-in multi tenant and High Availability.
High Availability achieved using a single instance to maintain the SLA as a service provider.
Multi-site deployment to avoid outage at a particular Data Center.

Azure Active Directory (Azure D) for secure transactions on web services and Software Developers using ASP .NET platform

The identity platform of Microsoft Azure was implemented with multi-tenant approach, a dedicated instance of Azure Active Directory (Azure AD) with ownership on organization level.

By using Azure AD architecture customer data and identity information were isolated from co-mingling. Preventing users and administrators of one Azure AD directory accidentally or maliciously access data in another directory.

Azure AD is the identity provider, responsible for verifying the identity of users and applications that exist in an organization directory, and ultimately issuing security tokens upon successful authentication of those users and applications.

Implemented Application outsource authentication model using Azure AD to register and uniquely identify the app in the directory.

Made available for Developers to use the open source Azure AD authentication libraries to make authentication easy by handling the protocol details.

Multi-tenant application using Identity and Access Module (IAM) platform on cloud.

Built software-as-a-service (SaaS) application intended to provide to multiple organizations. Users in any Azure AD tenant are able to use the application.

Implemented Multi-tenant application in the Microsoft identity platform. Authentication library used in the application with the same client ID validate the security tokens received from the identity platform.

Implemented Security Development Lifecycle (SDL) industry leading assurance process comprising security at its core and get private data and services stay secured and protected while they are on Azure Cloud.

Got processes approved by the European Union data protection authorities and the Article 29 Working Party.

First of few organizations to embrace the new international standard for Cloud privacy ISO 27018.

PTCL-ETISALAT GM MULTIMEDIA & BROADBAND CORE 2009 - 2012

As GM MMBB Core undertook tasks of Broadband & IPTV Services Planning & Development, Operations of countrywide setup of HSI, IPTV, Corporate VPNs, Internet Systems and VAS such as DNS, EMAIL, Unified Communications, Monitoring and Provisioning systems for the Core elements with integration of Access elements like DSLAMs/MSAG/GPON.

August 2010: Technical Assistance Centre (TAC) Established for providing one-stop support to Business Zones with respect to daily Broadband Provisioning, Technical Support, L-1/L-2 O&M of Core Network and Support for Technical Teams to manage Access Networks, Monitoring of all Network Elements, Integration of New DSLAMs/MSANs/ONU/GPON with Core Network.

2010-2011: MM&BB Core Network Development

Phenomenal growth of MMBB Core Infrastructure with addition of Juniper MX forming the dedicated Delta of MM&BB Core with dedicated links between ISB/LHR and Karachi with International Gateway, E-Series, AAA/Policy Server, and Expansion of OSS to new platform, Huawei BRAS Expansion and a lot of new innovations. More than 20-Projects were executed during this time by a single team.

2007-2012 FIRSTs of MMBB Region

During this Five Year Span PTCL MMBB Region introduced many firsts or new innovations not only in PTCL but also in Pakistan, the brief is described here:

1. Zero-Touch provisioning for HSI & IPTV Services by deploying OSS/BSS for Auto Service Provisioning.
2. Very Large Tier Membership Category with APNIC for IP Address management with largest allocation of IP Addresses.

TAC model for Tech Support of Internal PTCL teams.

IP/MPLS with RSVP-TE on MM&BB Core Delta.

Secure VPLS model of for Broadband User Authentication with redundancy at BRAS level.

First ever DC Network security with DPI / Policy Server integration.

IPv6 test drive

First Ever Multi Services Broadband Access Agnostic Core of Pakistan formed around Metro Switches (35 Sites) in three cities and then extending Metro Switches foot print in the rest of Pakistan at 46-locations.

PTCL Broadband is now market leader with more than 95% share and extended in nearly 2000 cities and towns of Pakistan.

Record of Executing more than 50-Projects in MM&BB Core covering whole life cycle like concept, RFP, Technical Evaluation, Contract Signing, Execution, Ready for Service (RFS) and O&M with commercial awareness to start new services as well.

PTCL-ETISALAT
GENERAL MANAGER, MULTIMEDIA & BROADBAND
2005 - 2009

Important Mile Stones

17th May 2007 PTCL Broadband in 03 Cities:

This Project turned the page of history in PTCL with successful launch of Broadband Services on 17th May 2007 from Islamabad, in June 2007 from Lahore and in July 2007 from Karachi. Total Ports capacity was 60K on Huawei DSLAMs and 50K on existing OFAN-2 Project.

It was the most successful Project of PTCL in terms of delivery, quality, timelines and ROI.

As there was no experience in PTCL to run the Internet and Broadband Services, the same team who was engaged in the development was entrusted the hectic job of O&M of deployed Services in three cities.

14th August 2008 IPTV Launch:

Later on same team took more initiatives by launching IPTV in 03 cities from August 2008 on DSLAM ports and ONUs.

October 2008: MPLS VPN Launched:

MPLS VPN Services launched for the first time in PTCL history and soon became the largest revenue generating corporate business.

December 2008: 100K Broadband in 19-cities;

In 2009, PTCL crossed 100K users mark with presence in 19-cities of Pakistan. In this year PTCL became the single largest ISP of Pakistan.

-Provision of cloud infrastructure support ensuring seamless delivery of all services.

-Ensured seamless delivery of all services for provisioning of cloud infrastructure support to the organization.

-Designed New Workflows for Customer Care for IPCC and CRM with integration of complete Support life cycle.

-Paved the way of paradigm shift of traditional Service Provider by leading the direction towards IP & Broadband era.

PTCL, Islamabad 10/2008 - 03/2009

GM IP & Multimedia Broadband Operations

-Guide modernization and service-level enhancement initiatives for leading Operation and Optimization Teams for the IP/MPLS Core and access network to accommodate the traffic growth as per the marketing forecast and business plan.

-Held bottom-line accountability for developing and executing Network Performance Metrics for facilitating existing tools available by customizing, system integration and alerts management.

-Strategized and aligned all tasks for automating the Operational Practices as per TM Forum, ETSI, 3GPP, IETF, ITIL and ITU-T standards.

PTCL, Islamabad 09/2007 - 10/2008

GM Multimedia & Broadband Development

-Expertly performed duties as a strategic overlay to design future IP and transport network strategies, Network Architecture, in order to comply with capacity demands and business targets.

-Leveraged acute technical expertise and fundamental engineering knowledge to oversee and assess technology trends for the selection of the most cost effective and best practice transport network solutions.

-Established and implemented consistent process structures; transport network BOQs and request for quotations, participate in price and scope negotiations with vendors to finalize the annual project plans and budgets.

-Designed, created, customized, and implemented necessary processes and procedures to maintain and improve the work efficiency/performance by using Project Management techniques.

PTCL, Islamabad 02/2007 - 09/2007
Senior Manager Technical Architecture Triple Play Project

- Technical Architecture of Triple Play Project in terms of IP Networks, Access and Data Center/NOC establishment.
- Steered Teams towards successful Testing and Commissioning of Broadband Pakistan Services in 12 cities of Pakistan.
- Strategic Leadership to launch IPTV SMART TV for the first time in Pakistan.

PTCL
DIRECTOR
1993 - 2005

Assistant Divisional Engineer PTCL 01/1993 - 01/1998

Performed duties at Telecom Staff College, Haripur Pakistan as instructor of Switching Systems and Computer Applications. Worked in the training lab of EWSD, Ericsson and NEC Neax61 switching System for imparting practical training to the Pak Telecom staff. Executed Project of Trainee ISP set up and MIS in Training Region of Pak Telecom and made Projects of worth Rs80.6 Million for establishing training centers across Pakistan.

Project Engineer BLT Project 01/1990 - 01/1993

Worked on the Build Lease Transfer (BLT) project of PTCL for 100,000 telephones Lines using Project Management techniques of scheduling, Resources Planning, Cost Management and reporting for Outside Plant Network of Primary and Secondary routes. Worked under supervision of British Company MG Telecom, for two months and then independently planned 28,000 Lines with External Network Estimation and costing while maintaining QoS.

TEL CHINA (SHANDONG), China
COO

- Consultancy Services for sales of telecommunication service including broadband service and value-added services

PTCL, Islamabad 09/2005 - 01/2006
Director

- Spearheaded the O&M infrastructure of Pakistan Internet Exchange (PIE) the Internet Backbone of Pakistan.
- Developed IT Maintenance Support System (ITMS) for online trouble ticketing and fault registration on 24x7x365 basis.
- Significantly reduced the fault time from days to hours and tracking of support staff with support ticket mechanism

PRIOR EXPERIENCE

Divisional Engineer (Manager) PTCL 06/2004 - 09/2005

PAKNET- A FULLY OWNED PTCL SUBSIDIARY
SENIOR MANAGER
1999 - 2004

Managed a 40,000 users ISP set up, connected with 6 remote areas covering more than 75 towns, in terms of technical, commercial and customer services perspective.

Roll out the launch of Paknet PoPs in Jhang, Okara and Sahiwal by utilizing indigenous resources and procuring cost-effective Access Server plus Router ("PoP in a Box" Idea). These three stations were connected to Paknet main backbone within three months record time.

In the year of 2003-2004 upgraded the Paknet Access from Analogue to Digital in remote areas for better customer services and increased revenue generation.

Formulated O&M strategies for 24x7 and 365 days a year smooth running of ISP Setup connected with 6 districts and 7 nodes and more than 75 towns.

Established Corporate Customer Unit at Faisalabad focusing on Corporate Customers and devising them different price options according to the requirements. Established RF Wing to provide Wireless based VPN Services to Industrial hub at Khurianwala and attracted first ever project of Paknet with 4 Radio Access Points costing worth of Rs1.4 million.

Skill

Strategic Planning
Excellent
Last used -

Network Security
Excellent
Last used -

Corporate Leadership
Excellent
Last used -

Internet Network Planning
Excellent
Last used -

Firewalls & SIEM
Excellent
Last used -

MPLS VPN
Excellent
Last used -

IP Address Management
Excellent
Last used -

Network Routing
Good
Last used -

Project Management
Excellent
Last used -

Project

Installation, Testing and Commissioning of IPCC Solution, Education Department

(Education Department, Govt of Balochistan)

Project Director

1st May, 2015 - 1st November, 2018

The IPCC/CMS was tested and commissioned with the end user for allocated UAN # 111-098-765 and dedicated Short Code (8016) allocated by PTA.

SCOPE

The Complaint Management System (CMS) will facilitate all sorts of complaints relevant to the Secondary Education Department. Broadly the scope of the CMS is categorized under the following heads:

- (i) Management and Administration
- (ii) Educational facilities
- (iii) Education Quality
- (iv) Land ownership
- (vii) Official and Financial Matters
- (viii) Students Admission

FEATURES OF COMPLAINT MANAGEMENT

- Enterprise system/software for automated complaints handling
- Diverse mechanisms for lodging complaints including SMS, Calls and through personal visits;
- Centralized database for information processing, storage and retrieval;
- Call Centre to lodge complaints and get information during official working hours;
- Online complaint monitoring system to provide regular update to the complainant;
- Clear and transparent criteria on the types of complaints that can be referred;

- Procedural oversight and rigorous investigation of serious cases;
- Well defined screening process to reduce the number of false complaints;
- Mechanism for immediate response on false complaints.

Establishment of Call Centre at Headquarter level

A call center will be established at provincial level in Quetta with access to launch complaints during office working hours. The Call center will be associated with the 31 facilitation centers established at district level. The operators at call center will maintain a log of all calls received. The fully automated data cell will transfer the complaints to the respective responsibility segment according to the nature and area of the complaint.

Development of Complaint Management Software/CRM

Software for automated complaint processing will be developed. The software will have fields and different levels for recording the complaints falling under the above mentioned categories

Establishment of Virtualized Cloud based Education Data Center, UNICEF (UNICEF/IDO)

Consultant

1st October, 2014 - 1st November, 2014

Secondary Education Department (SED) with UNICEF collaboration is looking to establish world class state-of-the-art Virtualized Cloud based Data Centre in Quetta with 99.982% availability of services to END USER and hence conforming to TIA942 (TIER-3+) Data Centre standards.

The establishment of Cloud based Data Center at Quetta and its connectivity with the IT labs and other attached sections of education department is one of the top most priority of Education Department GOB, as this platform will serve as the main nervous system and will enable effective implementation of all ICT related applications like EMIS, HRMIS, CMS, Email services, IT learning facility, Audio and Video conferencing, E-Learning and remote lectures, online assessments of both students and teachers, biometric based attendance control system and many more applications that require the use of ICT. There are two objectives of this RFP for which Vendor Solution is being sought:

1. Establishment of Cloud Based Data Center at Quetta to provide Centralized platform for hosting aforementioned services and applications.
2. Connectivity of the IT Labs established at high school level with the main EMIS Data Center at Quetta to enable provision of educational services and facilitate the use of EMIS at cluster level.

The datacenter will provide core services, such as Computing, Storage, and Backup. The data center will serve as the Cloud operations environment for key application systems, such as regional education resource management, Attendance, Biometric, school registration, and curriculum management. The regional data center has the following Connectivity Requirements:

- Secure and Filtered Network based on VPN
- Low operating and maintenance costs

The DC will provide a reliable and maintenance-free centralized services environment for education organizations, teachers, and students by merging network, computing, and storage resources into a unified management system.

Community Internet Services (Mahad Enterprises)

Project Director

1st April, 2014 - 1st September, 2014

Internet Services for a Community

Juniper Networks Academic Alliance (JNAA) (NUST-SEECS)

Facilitator

1st January, 2014 - 1st March, 2014

Juniper Networks Academic Alliance (JNAA), 01/2014 - 03/2014
NUST-SEECS

Data Center Network Security Project (PTCL-Etisalat)

Project Director

1st September, 2011 - 1st November, 2012

Data Center Network Security Project

4 x Data Center Security Project with EX8208 x 2, SRX5800 x 2, NSM x 2, STRM x 6, SA6500 x 2 SBR Enterprise x 1, Brocade ADX 4000 x 4

Zero-Touch Service Provisioning/Identity AAA and Policy Provisioning (PTCL-Etisalat)

Project Director

1st August, 2011 - 1st November, 2012

Zero-Touch Service Provisioning/Identity AAA and Policy Provisioning

Zero-Touch Service Provisioning of All Broadband Services with Integration of HP OVSA and BSS through NBI Interface.

All users are provisioned through Automated workflow without any human intervention from Order booking, Order management, Service Provisioning on DSL ports, AAA user, Policy Server Integration

360 Degree-View Support Console and DSL Port Monitoring (PTCL-Etisalat)

Project Director

1st December, 2011 - 1st November, 2012

360 Degree-View Support Console and DSL Port Monitoring

360-Degree View of DSL status with integration of CRM-SIEBEL for Prompt Support at Contact Centers. Business Zone use it for troubleshooting the Broadband Complaints having single page view of Line status, IP, MAC of CPE, AAA logs, Error messages, connection history, profile upgrade, port reset, mealttime network map and Port connectivity,

Broadband and IPTV Expansion Project (PTCL-Etisalat)

Project Director

1st December, 2010 - 1st November, 2012

Broadband and IPTV Expansion Project

Based on Juniper E-320/E-129, MS-480, SBR VTA and enhancement of SRC policy Server across the country.

Cache and CDN Project (PTCL-Etisalat)

Project Director

1st January, 2012 - 1st November, 2012

Cache and CDN Project, A leading ICT Service Provider

iCache Project with DNS and Bypass Policy for real time Cache

BroadbandHome Project based on TR069 Standard (PTCL-Etisalat)

Project Director

1st April, 2012 - 1st November, 2012

Broadband Home Project based on TR069 Standard

Unified service management platform for centralized Connected Home Management system based on standard set of protocols like TR-069 amendment I-III, TR098.

Integration of nearly 500K CPE with ACS Server for Self provisioning.

SAN Storage Upgrade and Data Domain Backup (PTCL-Etisalat)

Project Director

1st June, 2012 - 1st November, 2012

SAN Storage Upgrade and Data Domain Backup

Based on EMC Data Domain / EMC DMX4 at Primary and Secondary locations.

The EMC Data Domain solution to give advantage to PTCL with traditional backup, recovery and replication processes.

Combining high speed, inline deduplication with local compression, the Data Domain solution writes only unique data to disk with 76TB capacity.

Deep Packet Inspection (DPI) and Corporate Security Project (PTCL-Etisalat)

Project Director

1st December, 2011 - 1st November, 2012

Deep Packet Inspection (DPI) and Corporate Security Project

Based on Sandvine PTX24301 Policy Switch, SRP-3000, Subscriber Policy Broker-Base, Quota Manager - PTS 24100/24300, Fair share Traffic Management

- PTS Network Protection

- PTS 24100/24300 at 06xlocation with three clusters and its integration with Juniper SRC policy Server and Carrier Grade AAA SBR.

Metro Ethernet Project at 79 sites (PTCL-Etisalat)

Project Director

1st January, 2011 - 1st November, 2011

Metro Ethernet Project at 79 sites

Based on Juniper MX-960 3D, Huawei CX-600 across PTCL locations nationwide.

ISIS is being used as IGP and BGP is used for EGP with VPLS/VSI model of Access Network (DSLAM, MSAN, GPON, OLT, MSAG) aggregation.

The IOT of Juniper/Huawei is working very successfully with MPLS LDP and FRR features

IP/MPLS Core Project based on Juniper MX and E Series Routers (PTCL-Etisalat)

Project Director

1st May, 2011 - 1st November, 2011

IP/MPLS Core Project based on Juniper MX and E Series Routers

MX-480, MX-960, BRAS E Series Routers Installation.

EMAIL Anti Spam Solution based on Barracuda Firewalls (PTCL-Etisalat)

Project Director

1st March, 2011 - 1st November, 2011

EMAIL Anti Spam Solution based on Barracuda Firewalls

4x Barracuda Spam Firewall 1000 for PTCL Broadband Users:

1. Stop spam and malware from reaching users
2. Sending emails securely – with built-in email encryption
3. Data Loss Prevention
4. Per domain administration

Root/DNS Servers for Broadband Infrastructure (PTCL-Etisalat)

Project Director

1st January, 2011 - 1st November, 2011

Root/DNS Servers for Broadband Infrastructure

Installation of Root Servers on Internet Gateway and DNS at distributed location with industry standard topology

Test Launch of IPv4/IPv6 migration (PTCL-Etisalat)

Project Director

1st May, 2011 - 1st November, 2011

Test Launch of IPv4/IPv6 migration

Dual Stack IPv4/IPv6 implementation on MMBB Core.

Integration of DSLAM Equipment (USF)

Coordinator

1st April, 2009 - 1st November, 2010

SITC and Integration of DSLAM Equipment with all Allied

USF project of Pakistan

SITC of Hardware and Software of Broadband AAA, (PTCL-Etisalat)

Project Director

1st January, 2010 - 1st November, 2010

SITC of Hardware and Software of Broadband AAA

Juniper SBR AAA Expansion with VTA licenses

Establishment of IPTV Head-end at Karachi (PTCL-Etisalat)

Project Director

1st August, 2008 - 1st November, 2009

Establishment of IPTV Head-end at Karachi

A Disaster Recovery Site of IPTV established at Karachi Satellite Earth Station, Dehmandro

EMAIL Solution for Broadband and 3G Users (PTCL-Etisalat)

Project Director

1st March, 2008 - 1st November, 2008

EMAIL Solution for Broadband and 3G Users

M/s Critical Path (CP) supplied this project for email for 2.5M users of Broadband and 3G.

It comprises push email, wiki, blogs, Anti-abuse and Anti-Virus Protection,

Web Hosting Solution based on Microsoft Platform (PTCL-Etisalat)

Project Director

1st March, 2008 - 1st November, 2008

Web Hosting Solution based on Microsoft

50-K Web-hosting Solution based on Microsoft platform including Control Panel of Ensim and Storage Space.

SITC of IPTV Time Shift TV Expansion (PTCL-Etisalat)

Project Director

1st May, 2008 - 1st November, 2008

Supply, Installation, Testing and Commissioning of IPTV Time Shift TV Expansion

Expansion of Time Shift TV Channels and addition of 70-minutes.

Unified Communication Project (PTCL-Etisalat)

Project Director

1st October, 2007 - 1st November, 2008

Unified Communication Project

Comprising Microsoft Hyper visor, AD, HMC, Communicator, Outlook, Control Panel.

Broadsoft SIP Soft-switch, SBC Neura and Different packages Integration

Ethernet Interface Cards for BRAS (PTCL-Etisalat)

Project Director

1st August, 2007 - 1st November, 2008

Ethernet Interface Cards for BRAS

Expansion of GE interface Cards on Huawei BRAS MA5200

Supply, Installation, Testing & Commissioning of Triple Play Broadband Services Equipment (PTCL-Etisalat)

Technical Architecture Triple Play Project

1st February, 2007 - 1st November, 2008

Supply, Installation, Testing & Commissioning of Triple Play Broadband Services Equipment

PTCL first ever Internet & Broadband Project which pioneered the new era in PTCL

Certification

Introduction to Blockchain Technologies From (INSEAD)

G EB4G S Q5PA BH - 1st January, 2020

Introduction to Blockchain Technologies

an online non-credit course authorized by INSEAD and offered through Coursera.

The limitations of the Internet for business and economic activity, and how trust is established in a pre- and post-blockchain world

Terms such as miner, hash, nonce, proof-of-work, and public key cryptography, as well as the steps of a blockchain transaction

Seven design principles for blockchain technology

Ten challenges associated with implementing blockchain technology.

The Internet connects billions of people around the world, and is great for communicating and collaborating online. However, because it was built for moving and storing information, and not value, it has done little to change the way we do business. Now, for the first time in human history, two or more parties anywhere in the world can transact and do business peer to peer using the blockchain. In this course learnt blockchain as “the trust protocol,” and got to know how it represents the second era of the Internet. Its learnt that how blockchain technology establishes trust—not through powerful intermediaries, but rather through collaboration, cryptography and clever code.

Blockchain Implementation Challenges

Like every revolutionary technology, the blockchain has its upside and its downside. There are ten implementation challenges which must be overcome during transition to the second era of the Internet. For each challenge, learnt about potential solutions and what we can do to ensure the fulfillment of the blockchain’s promise.

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