

Muhammad Farhan



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PROFESSIONAL FOCUS

A versatile, analytical and hardworking Electronics Engineer with a practical hands-on approach to design and problem solving, who perseveres to achieve the best results. Able to quickly analyze situations and devise sound solutions to problems and can quickly grasp complex telecommunications concepts. Proven ability to manage and complete projects to the highest standard, with meticulous attention to detail, meeting set timelines and deadlines

CAREER OBJECTIVE

Professionalism – Good analytical and problem-solving skills. Knowledge of relevant telecommunications policies, structure and strategy as it relates to the area of assignment and complete understanding of telecommunications technologies.

Planning and Organizing – Demonstrated organizational skills and ability to establish priorities and to plan, coordinate and monitor own work plan, with minimal supervision, under the pressure of frequent and tight deadlines often in difficult and demanding conditions.

Commitment to Continuous Learning – Willingness to keep abreast of new developments in the telecommunications field.

Teamwork– Good interpersonal skills, plus the ability to establish/maintain effective partnerships and working relations in a multi-cultural, multi-ethnic environment with sensitivity/respect for diversity.

Communication - Good written and spoken communications skills, including the ability to convey technical concepts to non-technical staff at all levels, in a clear and concise manner.

PROFESSIONAL & ACADEMIC QUALIFICATIONS

DEGREE/CERTIFICATE	INSTITUTION / BOARD	YEAR
<u>PROFESSIONAL QUALIFICATIONS</u>		
B.E. (Electronics)	Usman Institute of Technology, Hamdard University Karachi. Pakistan	2011
<u>ACADEMIC QUALIFICATIONS</u>		
FSc Pre-Engineering	Alfalah Boys College, Latifabad, Hyderabad.	2006
Matriculation – SSC	Cosmopolitan High School, Latifabad, Hyderabad.	2003

PROFESSIONAL EXPERIENCE

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NOVEMBER 2014 – PRESENT

NETWORK ENGINEER

Currently I am serving my services as Network Engineer in which including Managing and Troubleshooting communication network. Skilled in delivering technical support, managing network operations, and maintaining enterprise-wide area networks across multi-platform and high uptime Data Center environments.

Responsibilities:

- Administering & designing LANs, WANs internet/intranet, and voice networks.
- Communicating and negotiating with users, specialists, other staff and suppliers.
- Responsible for communication protocols, configuration, integration & security. Investigating, diagnosing and resolve all network problems.
- Monitored bandwidth and network activity by analyzing information provided by MRTG & PRTG to ensure both efficient and effective network operation.
- Very strong networking skills, including; Configuring TCP/IP (IPv4) settings, IP and Subnet mask address schemes, VLANs, Routing, Firewalling, port forwarding, DNS, Security, VPN, Email Routing, SPAM, etc.)
- Design, setup and configure complex wireless networking that supports open or secured access and the ability to support voice and video applications
- Assist in the design of multi-server environments including IP address schemes, DNS, WINS, Ether-Channel (Bonding),etc.
- Configuring and installing client and server network software for upgrading and maintaining network and telecommunication systems.
- Maintaining multi-site network operations and software applications, operating systems and regular maintenance with both private and public facilities
- Responding to inquiries from staff, administrators, service providers, site personnel and outside vendors and etc. to provide technical assistance and support
- Knowledge of Fortinet Firewall implementation and support.
- Troubleshooting malfunctions of network hardware and software applications, 3CX, VOIP phones, Camera servers and security systems to resolve operational issues and restore services.
- VoIP implementation and support
- Satellite Antenna installation and commissioning.
- Satellite Modem configuration and installation. (IDirect Series, Comtech, Skyedge etc.)

BSS/ TRANSMISSION ENGINEER

ES Engineering & Services is a services provider company. ES basically provide services related to BTS Sites maintenance which include BTS Rooms/ shelter, Microwave link maintenance, generators maintenance, Air conditioners maintenance, refueling of gensets and WAPDA related issues. In generator, ES deal in sales, overhauling, maintenance, electrical/mechanical spares and services. Also deal in generators of a wide range of brands ranging from 20 KVA to 5000 KVA. For heavy duty generators ES also have setup for dismantling, transportation and installation. ES dedicated electrical, electronics/telecom and mechanical works related teams are ready to move anytime to solve BTS site related problems. My responsibilities include:

Responsibilities:

Ericsson Equipment

- Maintain Field Level Management(FLM) CM/PM
- Responsible for corrective maintenance and On call.
- Working on the different Traffic Nodes (TN) e.g. AMM2P, AMM6P, AMM20P.
- Traffic migration from lower capacity Traffic nodes (TN) to higher capacity nodes.
- Working on Ericsson (optical & electrical) transmission equipment i.e. MMUs, NPUs, LTUs, and RAUs.
- Link upgrades and downgrades to increase or decrease traffic capacity respectively i.e. both hardware and software.
- Hardware installation and Commissioning for new microwave Radio links.
- Hardware installation of the Transmission rack (TMR) both indoor and outdoor.
- Protection for microwave path through linear, ring protection, 1+1 Hop protection for both PDH or SDH path.
- Installation, configuration and troubleshooting of the Radio Base Station (RBS) Ericsson 6000 series i.e. both indoor and outdoor.

Alcatel Equipment

- Handling all the technical, management, administrative and other officials' issues.
- Hands on experience on NEC Paso link, I-Paso link, Neo-Paso link installation and Integration.
- Hands on experience on Alcatel BTS Nem B9/B10/B11 GSM900 & GSM1800 (DCS) BTS Equipment including Offline commissioning, trouble shooting for SUMA Card, RSL issues, RTC drops, Sector Efficiency & VSWR handling.
- Hands on experience on Alcatel-Lucent BTS A9100 Evollium GSM900 & GSM1800 (DCS) BTSEquipment.
- Rectify all power related issues on 372 Mobilink sites.
- Troubleshoot the Alcatel-Lucent BTS A9100 Evollium GSM900 & GSM1800 (DCS) BTS
- Involve in Configuration and troubleshooting of Microwave Transmission equipment.

VITAL TECH ENGINEERING SOLUTION. MOBILINK PROJECT SOUTH. SEP 2012 – March 2013

BSS/ Transmission Engineer

Responsibilities:

- Installation, commissioning and maintenance of Microwave NEC Pasolink, NECNeo and NEC iPasolink
- Installation, commission and maintenance of BTS (ALCATELEvolium).
- Performance calibration of BTS Combiner and Suma card.
- Troubleshooting and resolution of RSL, BER and Sync Loss failures.
- Troubleshooting and resolution of Loss of channels and all types of transmission issues.

EXTREME ENGINEERING SOLUTION. JULY 2012 – Sep 2012

BSS Engineer

Responsibilities:

- Working in EESPAK as a BSS, and O&M engineer on MOBILINK Project-south in Karachi managing more than 140 sites in Korangi sub-division.
- Key Responsibilities includes troubleshooting and resolving any alarm about BSS ALCATEL (BTS & BSC).
- Microwave Loop shifting, loop testing and site shifting activities, Abis breakactivity
- Alcatel BTS Commissioning, BTS expansion (sector addition), VSWR handling.
- Preventive and corrective maintenance of Shelter Environment and control.

PEOPLE LOGIC PAKISTAN (PVT.) LTD. JUNE 2012

Trainee NOC Engineer

Responsibilities:

- Escalation and troubleshooting of various issues on Base Transceiver station (BTS) Alarms via OSS (Citrix) for Ericsson Sites, iManager M2000 for Huawei sites, NetNeuman for ZTE (USF) sites and ZTE's ZXM10 for External alarms at ZTE (USF) sites.
- Involved in the investigation and resolution of critical and service effecting issues.
- Resource surveillance and alarm handling/escalation of the access elements including RBS/BTS and OSS equipment.
- Software installation of iManager M2000, ISMG NetNumen, ZXM10 & OSS Citrix ICA Clients.
- To maintain and escalate External & Internal, TXN & BSS Alarms to Field Operations.
- Fault rectification and escalation through daily internal alarms, Low TCH and Worse Cell reports.

TECHNICAL SKILLS

- Hardware and Software Technologies and Protocols
- LAN, WAN, WLAN infrastructures
- Protocols: TCP/IP, DNS, DHCP, HTTP, SMTP, NTP, SNMP, VoIP
- Cisco switches 3750, 3560, 2960 series
- Cisco routers 3900 3800, 2900, 2800, 1900, 1800 series
- Implementation and Troubleshooting Fortinet Firewall
- HSRP, VRRP, TCP/IP, PPP, BGP, OSPF, DNS, QOS
- Microsoft Office 95 / 2000 / XP / 2003 / 2007, 2010, 2013, 2016
- Implementation and Troubleshooting 3CX Phone System

REFERENCE

- Available on request