

# Sheikh Salman Ahmad

Team Leader GIS @ WTL Lahore  
[salman\\_@msn.com](mailto:salman_@msn.com) (Cell # +92-301-8436899)



## Summary

### Career Objective:

To pursue a career in a growth oriented and dynamic organization where I can apply my technical & management skills to excel by utilizing my potential and can further groom my technical, management and decision-making abilities.

As a GIS professional I have been able to work and get hands-on experience to collect, store, digitize, edit, analyze, share, displays, integrate and disseminate geographical information in desktop and server environment.

In my last role I developed the base maps of the area from scratch which gave me in-depth knowledge of National Land & Property Gazetteer system. I also analyzed and developed the maps for sales team to target potential customer area to generate the maximum revenue.

I worked in close relationship with different departments to develop a common platform to integrate old maps and databases for better management and smooth day to day business operations.

Based on diverse experience and understanding of GIS and its use for different sectors within an organization my aim is to simplify the business operations for customers as well as for management.

## Experience

### **GIS Consultant at Self Employed**

May 2013 – Present

#### Duties & Responsibilities:

#### Providing part time consultancy:

- Geographic Information System.
- Mobile data collection.
- Remote Sensing.
- Participatory Mapping.
- Web Mapping.
- Cartography.
- Land use Planning.
- Spatial Data.
- FTTH Network Planning.

## **Team Leader GIS (Central Region) at Worldcall Telecom Limited**

March 2011 – Present

Making and managing the GIS for 11 cities of Punjab

### Duties & Responsibilities:

- Plan and Design Fiber Optic Network for new Projects.
- Provide network improvement strategies / proposals.
- Schedule & supervise survey activities of the staff.
- Produce survey reports, BOMs (Bill of Materials) / network costing based on field and site surveys.
- Provide Optical Link Budget of the proposed fiber routes.
- Extend support to GIS, fiber optic implementation & maintenance teams in all aspects related to fiber optic network.
- Maintain complete visibility of Fiber Optic Network.
- Maintain detailed documentation of Fiber Optic Network.
- Planned the survey activity and prepared the town base maps using satellite imagery.
- Supervised the survey activity for data collection and managed daily data collection and entry process for building house pass data and customer's database.
- Integrated the parcel based information with customer information based on unique Geo IDs.
- Planned, managed and documented the spatial database needs for land base, customer support and daily operations.
- Maintained the integrity of base maps with CRM (Customers database).
- Integrated the newly developed GIS system with existing processes, procedures and work practices.
- Identified and prepared the new potential customer's areas and no coverage areas maps based on field survey and population reports.
- Responsible for the collection, conversion, organization and analysis of geographic data from pre-existing GIS files, paper maps, AutoCAD drawings, GPS and satellite imagery.
- Analyzed the location of distribution points based on current work practices for existing and new developing areas for optimum customer satisfaction and maximum revenue generation.
- Prepared the maps for sales teams to target the specific areas and customers to help increase the revenue.
- Analyzed the maps and suggested new franchise positions for competitive sales using GIS.
- Publishing and managing the maps on the intranet for internal customers to help them in planning, managing and monitoring the network daily operations.
- Prepared and printed the maps using plotters for daily survey activity and for other departments to facilitate the planning process.
- Coordinated with survey teams and other departments for up-gradation and rectification of any spatial database errors.
- Supervised the teams set up for digesting the existing maps according to new standards.
- Installed and configured Windows Server, desktop, spatial database, GIS Server and desktop from scratch to establish a new setup.
- Responsible for FTTH Network and outside plant data integrity using Arc GIS and AutoCAD software.
- Responsible for Design and planning of BPON/GPON network.

## **Assistant Manager \ Executive GIS (Central Region) at Worldcall Telecom Limited**

August 2008 - February 2011 (2 years 7 months)

Making and managing the GIS for 11 cities of Punjab

### Duties & Responsibilities:

- Publishing the data kept on GIS to the web for WTL employees for planning and guidance.
- Highlighting the new potential customer's area for new deployment.

- Highlighting the green field areas for WLL deployment.
- Training the staff about the GIS related work.
- Preparing the sales analysis maps to target the specific area/customers.
- Developing the GIS based survey maps.
- Conversion of existing network maps on GIS along with its field verification.
- Preparing the feasibility for future expansion using GIS for central region.
- Coordinating with other department especially by the Sales, Fiber Optics, Special Projects, Billing & design department for rectification of the errors.
- Evaluation data provided by the outsourced companies and takes action if any discrepancy found in the data
- Guiding the GIS staff for maintaining the customer's, OFC & RF GIS database.
- Training and assigning duties to the GIS Developer, GIS Project Coordinator, Surveyors, Database operators and to the AutoCAD operator.
- Guiding the GIS developer for parceling and the themes related works.
- Guiding the Data Entry Operator to inserts the collected data in the Database.
- Cross verification of the data collected by the surveyors (like addresses etc.) With town maps.
- Sorting and correcting the erroneous data in the database entered by the DBO or by the GIS developers.
- Briefing the visitors as and when asked by the Top Management.
- Evaluating the survey and GIS staff performance annually.
- Reporting to Manager GIS & Director Planning & Engineering for all job related matters.

### **GIS Developer (Central Region) at Worldcall Telecom Limited**

June 2007 - August 2008 (1 year 3 months)

Making and managing the GIS for 11 cities of Punjab

#### Duties & Responsibilities:

- Responsibility of plotting the OFC route, HFC nodes and RF cell planning.
- Planning the survey and time period for the completion of the project.
- 3D Visualization by Arc Scene & Sketch up.
- Plotted Coordinated 3D Buildings, Poles, Nodes etc. in Arc Scene.
- Developing the land base and customer database in GIS.
- Managing the team of surveyors and assigning territory to them for the daily work operations.
- Deploying the team of surveyors for the survey of SFUs, MDUs and LESCO poles.
- Allotting the new Geo Ids to the MDUs & SFUs (Customers).
- Coordinating with the outsourced companies for the survey related works, if given to any.
- Making the final check of the node after making new parcels and data entry.
- Monitoring the performance of the surveyors and checking the accuracy of data through frequent field visits.
- Updating the LESCO poles location on the GIS imagery.
- Evaluating the data provided by the outsourced companies and takes action if any discrepancy found in the data.
- Guiding the GIS staff for maintaining the customer's, OFC & RF GIS database.

### **Network Support Engineer at Worldcall Telecom Limited**

December 2006 - May 2007 (6 months)

#### Duties & Responsibilities:

- Administration / Configuration of the CMTS (Cable Modem Termination System).
- Development / Implementation of the Network Monitoring System.

- Monitoring the Servers and the Cable Modem Termination System (CMTS).
- Monitoring the Entire Network of HFC using Network Monitoring applications TKINED (SCOTTY) along with the SOLAR WINDS, SMONITOR and ADC CUDA network monitoring toolkits working on Linux based systems.
- Monitoring the Cable Modems statistics, Network Bandwidth usage, Signal to Noise ratio on CMTS cards, Uplink statistics, Downlink statistics, Router's statistics, Modem Summary, Incoming / Outgoing traffic, interface Utilization, Upstream Ports statistics, Congestion on network, Provision.
- Manager and other critical Elements / Information which plays a significant role in the system's performance.
- Providing Assistance to the field Maintenance Teams in case of Low Signal to Noise Ratio of the CMTS cards Upstream Ports.
- Providing online support and troubleshooting services to Corporate Cable Modem Clients.
- Has also implemented the Multi Router Traffic Grapher (MRTG) of the Cable Modems.

## Projects

### **FTTH Planning on GIS**

April 2011

Project Head for FTTH network planning on GIS incorporation with Huawei Chinese engineers for Karachi & Lahore. Efficiently planned, accepted & appreciated by client the Distribution/Feeder cable, FAT/FDT etc on digitized vector base map with respect to House Pass for FTTH & FTTB.

### **Web Base Fiber Identification Linked with ArcGIS**

January 2009

Developed & Implemented Web-base software linked with ArcGIS for maintaining Fiber core-wise, tube and fiber color wise with client connected on it..

## Skills & Expertise

- LAN management
- GIS (ArcGIS, ArcGIS Server, ArcSDE, ArcIMS, ERDAS Imagine, ArcInfo, MAPInfo, QGIS)
- Microsoft (Windows, Office, Access, Visio, Project Manager)
- Analysis (Spatial Analysis, GIS Analysis, Sales Analysis, Capacity Analysis)
- Mapping (Web Mapping, GPS, Google Earth)
- Remote Sensing
- Urban Planning
- Fiber Optics (Fiber route Designing, Link Budgeting, Planning & Designing FTTH)
- Planning & Optimization of Network
- Field Survey Management
- Spatial Database Handling
- Cartographic Mapping
- Problem Solving

## Education

### **Hajvery University**

BCS (Hons.), MSC Equivalent HEC Letter

## **Government Degree College Mandi Bahauddin**

FA (Mathematics)

## **Government M.B High School Mandi Bahauddin**

Matriculation

## **University of Engineering and Technology, Lahore**

Project Management Certification, Department of Polymer & Process Engineering

## **Corvit System Lahore**

- CCNA Training
- CCNP Training, Routing
- VOIP Training

## **Expert Rating Global Certification**

- Fiber Optics Certification
- Time Management Certification, Expert Level
- Operations Management Certification

## **ESRI Online Training**

- ArcGIS Data Interoperability Basics
- Basics of Geographic Coordinate Systems (for ArcGIS 10)
- Basics of the Geodatabase Data Model
- Editing in ArcGIS Desktop 10
- Geocoding with ArcGIS Desktop
- Georeferencing Rasters in ArcGIS
- Getting Started with GIS (for ArcGIS 10)
- Getting Started with GIS (for ArcGIS 9.2-9.3)
- GIS for Humanitarian Mine Action
- Introduction to ArcGIS 9 Geostatistical Analyst
- Introduction to ArcGIS Survey Analyst
- Introduction to ArcScan for ArcGIS
- Introduction to GIS Data ReViewer
- Introduction to Map Production System-Atlas
- Turning Data into Information Using ArcGIS 10
- Understanding GIS Queries
- Using ArcMap in ArcGIS Desktop 10
- Working with Geodatabase Subtypes and Domains
- Working with Map Topology in ArcGIS

## **Honors and Awards**

- I have done RFQ Telenor project covering 37 cities.
- GPON Design for Transworld in Lahore City with Geospatial Analysis.
- RFP – 118 branches for HBL Lahore using metro ring.
- Supervised the development and implementation of GIS-IS containing complete details of fiber core, ducts, hand-holes & joints.
- Deploying the GIS Server for employees to access on Internet & Intranet for the first time in company's history.
- Huawei Project i.e., Fiber to the Home (FTTH) for 20 exchanges in Lahore & Karachi.

- Completed the Telecom GIS project prototype based on 5,000 customers in 30 days which further lead to deployment of system for more than 100,000 customers for three cities.
- Planning, designing and development of whole GIS setup in Islamabad for CDA Worldcall JV project.
- I have supervised the Planning, designing and implementation of GIS setup in Lahore and Islamabad which includes hardware installation, software configuration and remote link between three major cities of Pakistan to access maps and data on intranet.
- Developing the Phase-1 of the JV project in record time of 2 weeks.
- Making MPEG format video GIS presentation of Lahore Network to be presented to higher management.
- HFC-Node-wise detailed survey of all existing nodes was completed under my supervision much earlier than the target date.

## Interests

- Team Sports.
- Reading articles related to new technological advancements.
- Exploring new software and analyzing its usage for me and for my organization.
- Watching documentaries specially related to Second World War, Mega Structures and engineering.

## Personal Info

Father's Name: Mazhar Hussain Jawaid  
Date of Birth: 1<sup>st</sup> June, 1978  
Marital Status: Married  
Address: SD-108 Army Housing Scheme Defence (Askari-8), Faisal Ghumman Road, Near Garrison Postgraduate College, Lahore Cantt