**CH. RAMA MOHANRAO**

**Present Address:**

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**Professional OBJECTIVE:**

Seasoned, forward looking Telecom Engineer with 14+ years background in drafting & designing by provide innovative ideas. Consistently recognized as a hands-on and competent leader, skilled at coordinating cross-functional teams in a fast-paced, deadline-driven environment to steer timely project completion within budgetary constraints.

**ACADEMIC RECORDS:**

* **B.Tech** in **Mechanical Engineering** from NarasaraoPeta Engineering College, NarasaraoPeta, April 2006
* **Diploma** in Computer science Engineering from G.M.R Polytechnic college, Rajahmundry, May 2002
* **SSC from Apswrschool/Jr college**s, karempudi, March 1998

**WORK EXPERIENCE:**

I have 9+ years of Experience on **TELECOM Conversation** projects, and 5 years Experience on Fiber Designing Projects.

* Working as a **Team** **Lead** in **Cyient** from May 2023 to Still.

**Role: 1.**Work assigning and monitoring the team for the project **Bell Canada/AZ3 Bell.**

**2.** Quality Check, Quality Analyst and Delivery of FTTH permits for the project **Bell/AZ3 and Mobia Canada.**

* Working as a **Team** **Lead** in **Cyient** from May 2023 to Still.

**Role: 1.**Work assigning and monitoring the team for the project **KPN Netherlands.**

**2.** Quality Check, Quality Analyst and Delivery of Copper for the project **KPN Netherlands.**

* Worked as a Design Specialist **And Internal Technical Lead** in **Cyient** from May 2021 to March 2023

**Role: 1.**Design and planning in FTTH for the project **“Frontier, Texas and Ohio”**

**2.** Quality Check, Quality Analyst and Delivery of **FTTH** for the project **Frontier** **USA.**

* Worked as a Team Lead in **SNL Electronics** From August 2017 April 2021

 **Role: 1.**Digitalization from Local Municipality, Civil construction maps into Digital Data.

* Worked as a Quality Analyst in **Apex Advanced Geospatial Pvt Ltd** from 2015 to 2017

 **Roles: 1**.Digitalization from maps into Digital Data for Comcast HFC Project.

 **2**. SS, RF and Fiber Design and drafting/QA for the project COMCAST (Spatial Net)

* Worked as a Design Developer in **Radix Architects** from 2014 to 2015

 **Roles: 1**.Digitalization from paper maps to into Digital Data.

* Worked as a Process Quality Analyst in **Apex Knowledge Technology Pvt Ltd** From April 2008 to June 2014.

**Roles**: Digitization of Telecom features by using client provided custom software OSP-FM for QWEST LAND BASE and COMCAST projects.

* Worked as a GIS Engineer in **IIC Technology Pvt Limited** From Aug 2006 to Mar 2008

 **Roles:** Digitization of Telecom Features and QC for converting paper maps into digital data for Verizon Projects**.**

 **Responsibilities in Telecom/Designing Projects:**

* Having Good Knowledge in Permit Drawings (Aerial, UG and State (MTO) of FTTH.
* Having Knowledge in Quick Pole.
* Coordinating with the Client on work allocations & Delivery Schedules.
* Having Good Knowledge in Fiber network of FTTH, FTTX & BAU Designs.
* Design, provision,document,Outside Plant Fiber Optic cable(UG, Aerial, Buried) and manhole and conduit design in GIS technologies-Frontier, Comcast, Verizon, Century Link Telecom Project (OSP-FM), Qwest Land Base and AT & T.
* Support the design and engineering process by planning and preparing drawings for construction of new, and removal or rearrangement of existing fiber optic cables Copper cables and conduits.
* Experience on HLD, LLD and Permits on Fiber Planning and Design.
* Good understanding of telecom processes in network designing and maintenance of fiber/copper network
* Good understanding of telecom technologies such FTTH, Copper, GPON etc.
* Design fiber distribution for FTTH network deployments
* Proficient Knowledge in GIS & AM/FM Projects.
* Data migration from one format to another.
* Excellent time management.
* Motivational skills.
* Conducting practical training sessions for new Joiners as per the timelines.
* Organized training workshops to improve the performance of the members who are lagging behind in terms of performance
* Identifying the Quality problems and educating the team on how to minimize quality problems.

**Technical Skills:**

* Auto CAD : Autodesk-Products (Auto Cad, AutoCAD Maps), ProgCad, Frogs.
* Micro Station : Bentley Products (V7 and V8).
* Spatial Net : Spatial Net.
* Software’s : QGIS, Google Earth Pro, Quick Pole
* Tools :IDDS, Sketch2GIS, IKE

CURRENT PROJECT: **Bell/AZ3 and Mobia, Canada.**

Fibre to the Home (FTTH) was introduced in Bell Canada back in 2010. This Fibre network provides our customers with voice, high speed internet, IPTV and business VoIP services in FTTH eligible CO’s.

The FTTH architecture can provide services to both residential and commercial customers therefore, it encompasses both FTTB (business) and FTTS (suite).CYIENT is a Major Design partner for Bell and doing all the Designs and delivering to Bell. Bell will share the respective Area Details along with the Customers Details. Also, will provide the Fibre Details which are coming from the CO and which needs to be spliced with the CSP. Bell, will share the CSP information and Location details, everything will be shared which are required to proceed further in design. CYIENT will validate all the inputs and proceed with the Base Map Preparation, HLD Fibre Design & LLD Fibre Design along with the MC Plans Creation and Aerial Engineering Plans.

**Responsibilities:**

1. Coordinating with the Client on work allocations & Delivery Schedules.
2. Weekly or need basis discussions with Client on Updations and Design Issues.
3. Assigning the work to team and coordinating with them and preparing for the delivery as per the ETA Schedule.
4. Supporting to Team resolve the issues and upward reporting of Design Progress.
5. Working in a team to deliver weekly targets of survey plans, Preliminary and Final Designs (As per the Client Spec for Detailed Design Documentation)
6. Reviewing the Client provided inputs and validates them. If any issues then, we need to get back to Client for the Clarification’s.
7. If all the inputs are good then, will start the Base Map Plans Creation and include all the required information in it and send to Client for the Approval.
8. Raising Field requests (KMZs) to gather the field data.
9. Coordinating with the Field Scoopers and Onshore Team for the Field Survey Inputs.
10. Checking commercial justifications for new builds and/or augmentations of existing supporting infrastructure.
11. Finalize the Low-Level Design and include all the field information in that.
12. Final QA of Design, preparing he required deliverables, reports for Final Delivery to the Client.
13. Preparing all the Required MC Plans and Aerial Engineering Plans to get the required approvals from the Respective Municipalities and Respective Power Authorities.

PREVIOUS PROJECTS:

Project Name: **KPN Vectorization (Netherlands).**

Client: **Netherlands.**

Software: **Sketch2gis & GEOS.**

The process, activities and tasks involved in KPN are “KPN-Vectorization of joint Sketches” from non-standard tiff/image source into KPN’s GEOS FOW. The two main sketch-data populations exist of A-JOINT and B-JOINT sketches. These are divided upon the characteristics of the joint positioned on the main branch cable.

LAS A-Digitization of joint and cable. Joint splicing a cable represents a transition in cable wires and joints are primarily used to connect two branch cables.

LAS B- Digitization of joint and cable, joints are primarily used to branch off to buildings and repair broken cables.

Flashnet: - It is a network with a unique cable structure. The physical mantle is the Duct containing one or more inner Ducts, each containing one or more cables. The path is the parent line object for the duct both containing coordinates. The inner Duct is child to parent Duct and parent to child object duct representing the cables. Digitization of vector images by using copper house connections and joint information recorded in GEOS Docs. This document management system contains approximately seven million sketches.

PREVIOUS PROJECTS:

Project Name: **Frontier (USA).**

Client: **USA**.

Software: **ProgCad and Frogs.**

This project involved CAF II planning and designing, FTTH using FROGS and AutoCAD. The responsibilities include handling the planning & design team. In this project we are connecting rural areas in North America with fiber by placing new DSLAM and X-Connector to provide more bandwidth.

**FTTH – Fiber to the Home – Frontier FTTH is a PON (Passive Optical Network)**

Project consists of processes like Fiber to the Home and Fiber to the Premises, DPI Updates, working on multiple scopes on frontier, On FTTH scope it is a PON architecture Feed cable leaving from CO or RT site locations to serve the FDH come under a F1 job and Distribution cable leaving the FDH and going to the field to serve the customer location of FDT come under F2 jobs, splitter will be used to split the PON network in multiple outputs, some typical sizes like 1x32, 1x16. On FTTP scope we will place the FDT at customer locations feed cable will leave the near splice location and give feed to FDT according to client requirement. DPI updates check the DB loss attenuation, testing of FDT’s.

**Responsibilities:**

* High-level desktop-based survey in FROGS by using latest LIDAR & Trimble data
* Planning of fiber routes and RT placement
* Planning and design of F1 (Feeder) network.
* Planning and design of F2 (Field) network.
* CAS Codes Spread Sheet Preparing.
* Planning the different scenarios based on the MH or pole (our work location)
* Planning & Designing the Work prints as per client specified city guidelines.
* Land base designing by using tools like QGIS.
* Plotting the drawing and delivering PDF with DWG file to onshore.

Project Name: **COMCAST**.

Client: **USA**.

Software: **Spatial Net 5.6, 5.9.2**

Description: This project is to create a GIS model of “COMCAST” Cable TV network. It is nowtheleading provider of cable, entertainment and communications products and services in the United States of America. This is a multi-year project covering the entire Comcast service territory. Comcast provides services in 39 states. The project scope is to move the following elements to a COMCAST-Provided land base within the Spatial NET Application environment. 1. Addresses,

2. Support network- Overhead and Underground (poles/pedestals and the corresponding strands/trenches/conduits)

3. RF (Coaxial) Network, comprising the devices and cables.

4. Fiber Conversation

Project Name: **Qwest Land base and OSP-FM.**

Client: **USA**

Software’s: **OSP-FM (Citrix-C-Image)**

QWest is one of the largest providers of basic telecom services in the USA. It has an operational base in 14 states, comprising of 1400 wire centers. To maintain this telecom net work, it is using a GIS based telecommunication system OSPFM (Outside Plant Facility Management System). OSPFM uses electronic drawings to provide information as required by the QWEST personnel. These electronic drawings are in Raster / Vector format and created by scanning conversion of the source drawings. To capture attribute and graphic data in to OSP-FM. Facility data (Graphics) to be captured as per specifications using the digital land base provided by US West as a backdrop.

Project Name: **AT & T.**

Client: **USA**

Software’s: **OPTINT, AutoCAD and Oracle.**

AT & T is one of the telecom providers for Entire USA. This project has divided in four different phases like, FIS, Work order Posting, Facility Data Cleanup and Land Migration. At present we are working on Data Clean up and Land base Migration. In Data clean up client has developed web service called DMT, The error Facility ids will be generated and assigned to Vendors. The vendor has to clean the error using the Telecom knowledge. The errors may be attributing or graphical. To fix the graphical error Facility Id, client has developed customized software called Opti NT by support of AUTODESK Map. Opti NT used to fix the Graphical, attribute missing, attribute updating by using the database provided by the client the data Base are LFACS, EDW, FIS and OSPPDR. Using the telecom specification client has automated routines to flag the errors to produce 95% quality product. The vendor should produce at least 95% or more AT&T is a global communications, information and entertainment. This project is to create a Telecom Utility GIS model of AT&T's cable and conduit network.

Project Name: **Verizon.**

Client: **USA**

Software’s: **IDDS, MicroStation (V7 & V8) and Oracle.**

Placing the telecom attributes for telecom features such as cables, terminals, X-connectors, as per the client instructions. Updating the new data & clean up old data as per the documents given by the client. We are using software known as IDDS. It is a combination of Microstation&Oracle10i.where Micro station used for graphics purpose and oracle 10i used for database support. The Telecom Area divided in some exchanges known as WIRE CENTERS. Every wire center consists of different areas such as street name, road name, buildings etc. & separated by different maps such as PLR, ARIAL MAP, UG MAP, DTL MAP etc. They are converted it into different documents using software & land base migration process. Finally we are going to do the Facility Clean Up or Data Correction process. During this process we are updating the data of telecom attributes as per Data Tool Management site & Work print given by the clients. Finally we are doing Delivery process & Deliver it for further assistant

**STRENGTHS**:

* Good Team player in a Team, understanding team goals.
* Handling Escalation’s in team.
* Sound Technical Knowledge.
* Ability to learn new technologies with ease.
* Ability to empathize with co-workers & customers in a demanding work environment.
* Good Communications Skills.
* Easy adaptability to any situation.
* Dedicated and Work Oriented.

**PERSONNEL PROFILE:**

Date of Birth : 05-05-1982

Gender : Male

Marital Status : Married

Languages known : Telugu, English.

Permanent address : CH. Rama Mohanrao

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 **(Rama Mohan Rao. CH)**