

# CURRICULUM VITAE

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## CAREER OBJECTIVE

To work and grow in an environment where my performance is rewarded with new responsibilities and challenge also to prove myself to be an asset to the organization by making maximum use of the resources available.

## EXPERIENCE

Detail-oriented Junior Design Engineer with **3.4 years** (1.1 years in **Techwave** & 1.4 months in Jio infocom Pvt Ltd, as a Planning & Design Engineer & 10 months in Koramandal agro oils as a Maintenance Engineer

**Current Organization Techwave Infotech Pvt Ltd, Hyderabad.**

**Designation : JUNIOR DESIGN ENGINEER**

Detail-oriented Junior design Engineer with 3.4 years in Various Applications like SPATIALNET, AutoCad, & Network Engineer tool environment, I am proficient at Auto Cad and Design, has worked on domain including network planning and designing.

## SKILL SET

Operating Systems : **Windows Family**  
Drafting and GIS : **AutoCAD, SPATIAL NET(CITRIX), ARC GIS, NETWORK ENGINEER .**

## ACCOMPLISHMENTS ACROSS THE TENURE

- Awarded “Performer of the month” two times in Jio 2022

## PROFESSIONAL SUMMARY AND WORK EXPERIENCE

1. **KORAMNDAL AGRO OILS PVT LTD, Guntur since Dec-2020 to Oct-2021.**
2. **JIO INFOCOM Pvt Ltd, Wanaparthy since Nov-2021 to Mar-2023.**
3. **TECHWAVE INFOTECH Pvt Ltd, Hyderabad since Mar-2023 to Till Date.**

**Department : Telecommunications**

**FH SD1(FULTON HOGAN)\_NBN**

**Client** : FH\_NBN(National Broadband Network \_Australia )

**Applications Used** : Spatial Net 8, AutoCAD, TPNI and Google Maps, ADR.

**Designation** : JR DESIGN ENGINEER (Telecom)

**Description** :

NBN(National Broadband Network ) is Australia's Largest Network, The objective of the project is to build a fiber network cabinet to homes (FTTH, FTTP, and SD2.). The project involved planning and designing in EE and GPON services, both Type-2 and type 3 architecture of NBN network, OSP, ISP, and fiber size calculation for access ring and fiber cable specification for customer connectivity.

**Roles & Responsibilities** : **Production, QC and Delivery tasks**

The actual scope of work entailed planning designing, constructing three fibre serving area modules (FSAMs) Techwave scope was limited to planning and design of FTTP in Spatial NET and updating construction/as-builts in AutoCAD.

**TECHNOLOGY : FTTP(FIBER TO THE PREMISES) :**

- Have a handful of experience on SD1 & SD2, New Dev's & As-builts designs.
- Have handful of experience service of NBN, .GPON(Gigabite Passive Optical Network).
- Planning and designing the transit network, FAN distribution fibre network, and FDH & FJL local network based on the NBN type 2 & type 3 architectures.
- Planning and designing was done by using the regulatory standards of the infrastructure owned companies like Telstra for UG network by following the NBN guidelines.
- Optimizing NBN network by using the existing Telstra Network and proposing the new routes according to duct occupancies as per NBN Co network guidelines.
- Ensuring address validation using client specified online survey sites and desktop survey.
- Updating the connected data in Spatial NET.
- Validating the existing MPT & SMP connectivity to the premises and planning the MPT & SMPs by consideration residential units, commercial units as per NBN Type 2 & Type 3 architectures for optimal utilisation of the resources on Spatial NET.
- Designing FDA as per the design guidelines and specifications of NBN on Spatial NET, splicing from MPT to AJL to LJL to FDH to DJL and SMP to BJL to FJL to DJL and generation of QA address reports on Spatial NET.
- Preparing deliverables like splice details, construction plan, FIR, BOM,BOQ Reports, Trace report and celemetrix reports for estates.
- Preparing the CWP (construction work pack ) in Auto CAD and publish in PDF format. Coordinating with the client for query resolution and feedback reports.

**FTTH**

**Client** : JIO  
**Designation** : NETWORK PLANNING ENGINEER (Telecom)  
**Applications Used** : NETWORK ENGINEER, ARC GIS, AUTO CAD ,LEPTON TOOL.

**Description** :

Planning the fiber network from pop location to house in optimization manner so that cost and time both will be optimize. The aim is to give good planning and designing in an effective manner.

**Roles & Responsibilities** : Survey, Design, RFC

**TECHNOLGY : FTTH(FIBER TO THE HOME)**

- Coordinating with Survey and Business team for executing Building survey and acquisition of the buildings.
- Road survey, Facility Survey and checking the feasibility for Optical Line Termination (OLT).
- Plan and design the strong FTTX network as per the guidelines with the help of ArcGIS and AUTOCAD tool.
- Planning the Network in such a way that network should avoid Heavy water bodies, National and state highways, ward boundaries, municipal boundaries etc.
- Coordinating with construction team to implement the design as per plan.
- BOM, BOQ, and splice plans for individual buildings which will be connected in SLA by rescue Team.
- Quality and Assurance of PON factor fulfilment for FSA Design.
- Releasing fiber plan for enterprises connectivity's (ESA) in Arc GIS.
- Quality checking for FTTX network planning in order to declare as Ready for Service (RFS).
- Migrate the planned network in to using Ericson Network Engineer customized application.
- Creating the POP & Project boundaries in GIS/AutoCAD.
- RFC design preparation in AutoCAD after confirming the Land base and Feeder Path Survey analysis.
- Planning the RFC design with Proper OLT as a Butterfly format with two Feeder rings and also single feeder ring.
- Planning the S2 and OTB locations with 1:8 Splitter for customer serving area covering all building clusters.
- Planning the S1/JC locations with 2:8 Splitter for Distribution serving area covering all S2's and Feeder rings within the design rules.
- Coordinating with Hex/OLT deployment team to physically site installation, after HEX/OLT installation doing the configuration to make the site active.
- Configuration of LT cards and Pon Port Patching for making the LT Cards & S1's ready to serve the customers.
- Coordinating with Business team to update the Land base and create the new building polygons.

- Coordinating with Construction team to execute in field work complete on in time.
- After RFC Design in AutoCAD, doing the XML import & Span updating in NE/GIS.
- Releasing the incremental plan for upcoming new buildings, planning the Network planning design to place the new S2, S1's.
- Responsible for IFC (Issued for Construction) for Field execution.
- Involved in Data Sanity of Planned designs in GIS.
- Managing the Customer complaints, ticket flow, assigning the engineers on in time.
- Performing the FLT with customers to resolve the tickets and providing the early restoration.
- Taking proactive action on repeated tickets/issues and sorting out the issue for improving the customer satisfaction.
- Experience in handling customer's incident and restoring the service without impacting the customer business.

### PROJECT#3

#### PSA (PARTNER SERVING AREA) LCO MODEL

**Client** : Jio

**Applications Used** : NETWORK ENGINEER, ARC GIS, AUTO CAD ,LEPTON TOOL.& GOOGLE EARTH.

**Roles & Responsibilities** : SURVEY, PLANNING & DESIGNING

As part of this project:

- IT is similar to FSA , it is also called as PARTNER SERVING AREA.
- But in the LCO model using existing electrical poles,
- Everything have to do manually through mobile in JFP portal(JIO FIBER PARTNER).

### PROJECT#4

**Company** : KORAMANDAL AGRO OILS Pvt Ltd

**Designation** : MAINTENANCE ENGINEER

**Roles & Responsibilities** :

- As a maintenance engineer I'm responsible for the installation and maintenance of industrial equipment, and also to repair fixed equipment and rotating equipment.
- I'm responsible for the infrastructure and machineries (i.e pipelines, valves, storage, tanks, boilers and welded members etc.)
- Supervising technical staff and other workers.
- Travel to client locations for equipment inspections .
- Servicing and replacing old or faulty equipment.
- Maintain the statistical and financial records.
- Managing stocks of supplies and equipment

## ACHIEVEMENTS

- I got first prize in quiz competition in B.Tech 1<sup>st</sup> year
- I got first prize in cultural activity at my school level.

## STRENGTHS

- I am A Quick learner and Love to learn new things
- Ability to work hard for the betterment of the organization.
- Have the ability to mold myself to the requirement

## PROFESSIONAL QUALIFICATIONS

### Qualification :

#### **M.Tech in mechanical(machine design)**

R V R& JC college of engineering -2020

CGPA: 78%

## PERSONAL DETAILS

Father's Name	:	Srinivasa Rao Natha
Date of Birth	:	10-09-1996
Marital Status	:	Unmarried
Gender	:	Male
Nationality	:	Indian
Language Known	:	English, Telugu, Hindi
Email (personal)	:	<b>n.arunkumar999nak@gmail.com</b>
Telephone Number	:	<b>+91-9000118225</b>
Permanent Address	:	H.No: 9-26 Perecherla center, Guntur, AP 522005.

### DECLARATION:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place: Guntur

**(ARUN KUMAR NATHA)**



