

BANGARU LAKSHMAN

Autodesk Certified Professional : Revit Mep Mechanical

Mechanical Bim Modeler / Mep Cad Drafting Engg

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Career Objective:

To make optimum use of my skills and capabilities in a reputable organization, which offers me a chance to grow and enhance my career opportunities, and to be a part of team where I can contribute my skills and experience in the success of the company.

Total Experience:

Having Total 12 Years of experience in Mep Filed 4 yrs in Revit Mep, Navisworks & 8 Yrs in Mep Autocad Drafting both in Middle East and in India.

Bim Modelling & Naviswork Job Responsibilities:

- Revit, Navisworks – Using 4D stimulations for Materials Planning and Management.
- Revit, Navisworks – Improving Models to Enhance 4D Stimulations for construction Planning.
- Attending Bim Workshop meetings & Visit to Site for variations between drawings & Site.
- Worked Bim Projects on LOD 300 & 500.
- Creating walkthrough path in revit.
- Clash checking both in Revit Interface & Navis Manage.
- Create Viewpoints & comments in Navis.
- Preparation of central file location.
- Transfer projects standards, Copy Monitor, Creating Floor Plans.
- Create shared parameters.
- Creating Work sets, as per disciplines, creating Templates & sheets.
- Creating sub disciplines from the filters.
- Developing 3D Models and annotation from Design 2D Drawings.
- Creating and developing Revit Basic families.
- Developing mep coordination models and sections.
- Quantity takeoff by using Revit schedules & Navis Quantification.
- Preparing Spaces, Placing Spaces, Zone Color Schemes and Airflow Schedules.
- Producing Sprinkler Design Schedules.

Design Job Responsibilities:

- Preparing IFC drawing to Shop Level drawing.
- Preparation of Hvac shop, design & Detail dwgs.As per ashrea and smacna.
- Duct sizing as per constant friction & Velocity reduction method Mcquay Software.
- Chilled water pipe selection by using Mcquay Software.
- Selection of Air Terminals.
- Hvac Duct & Chilled water Routing and Location of Out lets.
- Preparing shop drawing for Chiller plant room & Cooling tower details drawings.
- Developing single line into Double line duct routing.
- Preparation of Schematic Diagrams and Riser Diagrams.
- Preparing the schedules.
- False ceiling co-ordination (Electrical lights, diffusers & sprinklers)
- Preparing builders work dwgs (Slab openings, core wall openings, wall openings).
- Preparing Shaft Co-ordination of MEP services.
- Raising RFI's based on Specification and Design Drawing.
- Preparing as built dwgs of Hvac, drainage, water supply and firefighting services.
- Prepare architecture drawings for xrefs.

Professional Experience:

- Working as Mechanical Bim Modeler in Omnix International LLC. (Kuwait)
From March 2019 to Till Date.
- Worked as Mechanical Bim Modeler in Mitsubishi Heavy Industries. (Qatar)
From October 2017 to October 2018.
- Worked as Mechanical Bim Modeler in Worley Parsons (Qatar)
From Aug 2015 to July 2017
- Worked as Mechanical Bim Modeler / Mep Cad Drafting Engineer in L&T Construction Pvt. Ltd. (India)
From Sep 2011 to July 2015.
- Worked as Mep Cad Drafting Engineer in ETA ENGINEERING Pvt. Ltd. (India)
From March-2010 to August 2011.
- Worked as a Mep Cad Drafting Engineer in BLUE STAR INDIA Pvt. Ltd. (India)
From March-2008 to Feb-2010
- Worked as a Mep Cad Drafting Engineer) in S.S.COMFORT LINE (Carrier Dealer) India
From Feb-2006 to March-2008.

Software:

Applications : MS-Office, Mcquay Software

Revit & CAD Packages : Autocad, REVIT MEP, Navis Freedom, Navis Manage, Autodesk Vault,

MEP key Skills : MEP **Cad** coordination, HVAC, Electrical & Fire fighting.

Key Projects Involved:

Project Name: Qatar Underground Metro Project, Doha, Qatar.

Work Description: MEP Bim Modelling Using Revit, and AutoCAD Software, Mep Drafting.

Project Name: Northgate Mall, Qatar (Working Through India).

Work Description: : Mep Layouts Using AutoCAD Software.

Project Name: Hyderabad Metro Rail Project, Hyderabad, India.

Consultant: AECOM, India

Work Description: Mep Layouts Using Revit and AutoCAD Software, Mep Drafting.

Project Name: Apollo Hospital Hyderabad, India.

Consultant: Spectral Consultants.

Work Description: Mep Layouts by using software Auto-CAD.

Project Name: Franklin Templeton, Hyderabad (IT Park), India.

Consultant: Prasad Escendo consultancy (Hyderabad).

Work Description: Mep Layouts by using software Auto-CAD.

Achievements: Top Performer in Year 2012-2013 Employees Rating at L&T Construction.

Top Performer in Year 2013-2014 Employees Rating at L&T Construction.

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Educational Qualification:

Diploma in Mechanical Engineering

N.C.V.T in Diesel Mechanic