

# BONNY M JOHN

Qualification: **Mechanical Engineer**

Experience: **7 Years.**

Educational Qualification: **Bachelor of Technology in Mechanical**

**Key Skills:** Estimation, Designing, Production/Site Planning, Revit MEP/Architecture,

Tekla Structures, BIM Software's, Mechanical Maintenance, Product Design & Analysis Software's, Microsoft Office, CNC Programming, MEP Site management, MEP Planning & Coordination.

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## SUMMARY OF CAREER

- Presenting 7 year diversified experience, within various legendary industrial environment as Estimation Engineer, CAD/BIM Engineer, Fabrication Engineer, MEP Coordinator/Engineer.
- Evaluating Scope of work, Tendering, Quotation, Variations, Assisting Sales and Marketing
- Conducting Quantity Survey, Designing and detailing of products to be fabricated or manufactured.
- Designing, Monitoring and Coordination of HVAC & MEP Systems and Steel Structural detailing of high rise buildings.
- Proficient with the use of Product Designing, Building Information Modelling, Project Planning and CNC Programming Software's.
- Designing maintenance strategies, procedures and methods, carrying out routine scheduled maintenance work and responding to equipment faults and diagnosing breakdown problems.
- Identifying and organizing requirements. Applying usability procedures and principles at project, product-line level or through customer input.
- Conduct and participate in technical reviews of requirements, specifications, designs, codes, and other artefact's.
- Assisting with planning, conducting, and evaluating approaches to meet project objectives in a timely, cost-effective fashion.
- Technical report writing skills and giving suggestion to increase productivity, Safety and setup of Organization.
- Solid people skills with strong interpersonal skills and one of facilitating, coaching and teaching. Flexible, organized and able to manage multiple projects in a time sensitive, entrepreneurial type environment.

## EDUCATIONAL QUALIFICATION

- Bachelor of Technology in Mechanical Engineering from Dr. Bhimrao Ambedkar University Agra, India. (UAE Attested & Apostille/Hague apostille Attested)
- Higher Secondary (12<sup>th</sup>) - Board of Higher Secondary Examination, Kerala, India.
- Secondary School (10<sup>th</sup>)- Central Board of Secondary Examination, Kerala, India

## MAJOR ROLES IN VARIOUS ORGANISATIONS

- **Facade Estimator and Technical Drafting – NAFFCO FZCO (February 2020 – Present).**
- **Project Coordinator (Envirodynamics, Cochin, India)-March 2018 – January 2019.**
- **Design Engineer & Fabrication Engineer (WME Motor Accessories, Dubai, UAE)-September 2017 to November 2017**
- **Corporate Trainer (Revit) at Omega Education Centre, Dubai, UAE-July 2017 to October 2017 (Part-time)**
- **Project Coordinator (Envirodynamics, Cochin, India)-December 2016 - June 2017.**
- **Assistant Design Engineer & CNC Process Engineer (Al Nahdha Al Omaniah Co LLC, Sultanate Of Oman)- July 2015 to November 2016**
- **Design Engineer-Faculty ( CAD Center, India ) – January 2014 to April 2015.**
- **Site Engineer/ Jr.Project Engineer ( Unimech Systems PVT LTD ) – June 2013 to January 2014**

## ACADEMIC & TECHNICAL KNOWLEDGE

- HVAC/MEP: - Load calculations, Designing, Installation, Maintenance and monitoring of HVAC&MEP systems.
- Product Designing Software's: – Solid Works, Catia V5&6, AutoCAD, Pro-Engineer, 3D Reshaper for Hexagon Romer Absolute arm, ANSYS Basics
- Building Information Modeling Software's (BIM): - Revit MEP/Architecture, Tekla Structures, Navis Works, AutoCAD MEP, Stadd Pro V8i Basics
- CNC Programming Software's: - Lantek Expert for Berusmak Plasma Cutting Machine, SYMEX Water Jet Cutting Machine & Other Plasma Cutting Machines
- Project Management Software's: - Primavera P6, Microsoft Project.
- Very good knowledge and experience in MS Office (Word, Excel, PowerPoint), C & C++.

## TRAININGS & CERTIFICATIONS

- Professional MEP training in HVAC (ACE India Training and services PVT.LTD).-Kerala, India
- Professional MEP training in Fire Fighting and Plumbing (ACE India Training and services PVT.LTD).-Kerala, India
- Revit Architecture/MEP 2015 (Autodesk University-91%)
- AutoCAD 2015 (Autodesk University-91%)

## EMPLOYMENT RECORDS

**Name of Company : NAFFCO FZCO – TUF Panel , Dubai, UAE.**

**Job Position : Estimation Engineer**

**Year : (February 2020 – Present).**

Aluminum Composite Panel and Sandwich Panel Estimation and Costing according to the projects. Preparing quotations, reviewing tender specifications, Reviewing Drawings and Quantity take off from the drawings, Coordinating with Technical and sales team. Technical Drafting and detailing for project submittals and organization approvals. Produce NFPA 285 Test Setup drawings for fire rated ACP.

**Name of Company : Envirodynamics,Cochin,India**

**Job Position : MEP Project Coordinator**

**Year : March 2018 – January 2019 & December 2016 - June 2017**

Material coordination for wastewater treatment plant projects. Managing day to day construction activities. Incinerator fabrication. Hydro-testing, High pressure water line shutdown works. Welding activities (butt fusion welding, extrusion welding for HDPE pipes, Oxy- acetylene welding. Plumbing works (PPR piping UPVC piping Copper piping & HPVC piping). HPVC piping in water desalination plant. Comfortable interacting with customers. Extensive education and/or applied experience specific to all aspects of manufacturing. Able to meet deadlines, planning and organizing work priorities. Analysing Problems and Finding an effective solution. Close involvement with sales, evaluating and estimating quote packages.

**Name of Company : WME Motor Accessories, Dubai, UAE**

**Job Position : Design Engineer & Fabrication Engineer**

**Year : September 2017 to November 2017**

As Design Engineer & Fabrication Engineer at the company my major roles where-Designing of exhaust systems for Motorsport vehicles, Programming for the CNC machines, Preparing Shop Drawings for fabrication, Conducting Flow Simulation and analysis of parts to be fabricated, Instructing Fabricators and welders for quality of Production.3D scanning of the Parts to be fabricated using Hexagon Romer Absolute arm and Applying the reverse Engineering for Fabrication of parts,3D modelling of parts and assemblies to be fabricated using solid works and various other product designing software's.

**Name of Institution .: Omega Education Centre,Dubai,UAE**

**Job Position : Corporate Trainer (Revit)**

**Year : July 2017 to October 2017 (Part-time)**

As a Corporate Trainer in the institution my major role was giving training on Building information modelling software named Autodesk Revit for employees from a well esteemed organization in UAE.

**Name of Company : Al Nahdha Al Omaniah Co LLC, Muscat, Sultanate of Oman**

**Job Position : Assistant Design Engineer & CNC Process Engineer**

**Year : July 2015 to November 2016**

In charge of all CNC machines in the plant, Conceptualize and develop manufacturing processes for wide range of custom machined components and assemblies. Utilizing multi-axis machining and tool path generation from solid models. Creating cutting plans, Leading and developing a small group of programmers and machinists. Troubleshooting and solving daily machining processes. Identifying and initiating process improvements. Instructing and Training operators for quality of production. Contacting with the technical support for service and schedules preventive maintenance for the machineries to prevent breakdowns. Able to meet deadlines plan and organise work priorities. Assess manpower and material requirements and prepare plans accordingly.

Assisting Senior Structural Engineer in The designing and Detailing of Steel Structures. Preparing shop drawings and general arrangement drawings for submittals and fabrication. Set up structural CAD configuration and procedures according to project requirements at the beginning of a project for the structural design team. Prepares engineering drawings from rough sketches or from general engineering and design information (verbal instructions and notes) using CAD and BIM software programs (i.e. AutoCAD, Tekla Structures 21.0, Revit). Development of quantity and other plan data tables using Excel software. Applying Quality Control procedures for all deliverables. Worked as a part of a project team to deliver high quality drawings.

**Name of Institution : CAD Center - Indian Educational Enterprises (P) Ltd, Kerala, India**

**Job Position : Mechanical Design Engineer-Faculty**

**Year : January 2014 to April 2015**

Training Professionals and Graduate Students on various Analysis, Product Designing and Building Information Modelling Software's (BIM), Conducting Corporate Trainings. Create or update CAD models. Implement solutions into CAD models or engineering drawings. Develop 3D CAD models of individual components & Assemblies. Develop manufacturing drawings of individual components & Assemblies.

**Name of Company : UNIMECH SYSTEMS (INDIA) PVT.LTD, Bangalore, India**

**Job Position : HVAC&MEP Site Engineer / Jr.Project Engineer**

**Year : June 2013 to January 2014**

Site Supervising of the HVAC Projects Undertaken by the company. Applying the technical expertise and knowledge that will support the designing, manufacturing, testing, and troubleshooting and help in better delivery of the HVAC system. Coordination & Inspection of MEP works at sites with various contractors & Ensuring processes. Maintaining professional communication and relationships with clients, architects and office team Ensuring the construction/Project is executed in accordance with the contract, Approved authority drawings, Approved shop drawings and specifications. Assess manpower and material requirements and prepare plans accordingly. Monitoring of all MEP installation activities like AC ducting, Plumbing works, Firefighting equipment, chilled water supply & returns, electrical concealed works etc.

## **PERSONAL PROFILE**

**Date of Birth : 04-09-1991 (DD-MM-YR)**

**Marital Status : Married**

**Languages Known : English (IELTS-7 Band Score), Hindi, Malayalam and Tamil.**

**Driving License. : UAE Driving License & Indian Driving License.**

## **DECLARATION**

**I hereby declare that the information given above is correct to the best of my knowledge and belief.**

**Bonny M John**

**Dubai, UAE**