

# Muhammed Jawad Farhan

Al Khobar, Saudi Arabia | 0536 247 318 | jawadfarhan29@gmail.com | [www.linkedin.com/in/muhammedjawadfarhan](http://www.linkedin.com/in/muhammedjawadfarhan)

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## Professional Summary

**MEP Engineer** with 7+ years of UAE/KSA experience and total experience of 9+ years in HVAC, FIRE FIGHTING, PLUMBING, LPG for EPC projects in Dubai and KSA. Executed MEP multiple projects including shopping mall, Mid-rise and High-rise residential buildings and labor camps.

## Work Experience

### **MEP Engineer**

**Erab Contracting - Shubaily Group**, Riyadh, KSA [Jul 2023- Present]

- Working as Mechanical Engineer for HVAC, Firefighting and Plumbing Systems.

**Omarain Offshore Pvt Ltd**- Singapore/Remote

**MEP Operations Engineer** [Oct 2021- May 2023]

- Worked as MEP QC Engineer for HVAC, Firefighting and Plumbing.

**Moist General LLC**- Abu Dhabi, UAE

**Project Engineer** [July 2019–July 2021]

- Worked as Mechanical Project Engineer for HVAC systems.

**Top Cool Plus LLC**- Dubai, UAE

**Site Engineer** [Dec 2015–June 2019]

- Worked as Mechanical Site Engineer for HVAC systems.

**ZITA Air Conditioning and Refrigeration Co**- Kerala, India

**Sales Engineer** [July 2014–July 2015]

- Worked as Mechanical Site and Project Engineer for HVAC systems.

## Area of Experience

Project Management, Site Execution, Estimation, Mechanical Systems Installation, Inspections, Procurement, Quality control, Testing and commissioning of:

•**HVAC**- Water cooled chillers, Air cooled chillers, modular chiller plants, cooling towers, AHU/FAHU, packaged AC, Split ac, FCU, GI/PI ducting, Copper piping, Chilled water piping, Exhaust fans, Mechanical rooms, Pressurization fans, Smoke Management system, Air balancing, Smoke tests, Pressure tests, Pump rooms.

•**Firefighting** – Fire Fighting pipes, Sprinklers, Fire hydrants, Zone control valves, Alarm check valves, Fire hose cabinets, Landing valve cabinets, Fire escape, Hydro tests, Fire pump rooms, FM 200.

•**Plumbing**- Water supply, Drainage, Sewage, Irrigation, Storm water & Rain water lines, Pumps and Lift stations, Sanitary Fixtures, Manholes, Condensate drain piping, Gravity test, Pressure test

•**LPG** – LPG piping, LPG yard, LPG tanks, Gas meters

•**Elevators**

## Projects Handled

### •**Shubaily Grand Mall, AL Khobar, KSA**

Handled and executed HVAC, Firefighting, Plumbing and LPG works as Mechanical Engineer.

Project Details- Total Floors -3, Modular Chiller Plant with 7 x 1400 Tr Chillers, 83 AHUs and FAHUs, 97 FCUs, 1500 gpm Fire pump room, 3 x 7000 litres LPG system.

**•G+5+R (2 Nos) Residential Units DIC, Dubai, UAE**

Executed HVAC works with testing and commissioning of GI ducts with copper piping with 4 FAHU, 140 FCU and exhaust fans

**•G+6 Residential Unit, Al Qusais, Dubai, UAE**

Executed HVAC (PI Duct), Copper pipe, packaged system with 120 FCUs

Client- Al Wasal properties

Consultant- Schuster Pechtold

**•G+4+R Labor Camp, DIP, Dubai, UAE**

Executed HVAC (PI Duct) with Air cooled Chilled water system (2000 Tr) with 4 FAHU, Exhaust fans

Client- Imdaad properties

Consultant- Yaghmour International consultants

**•G+5 Residential Building, Motor City-Dubai, UAE**

Executed Chilled water system (District cooling)

Client- Union properties

Consultant- IBA

**•B+G+8+R Residential Building DSO-Dubai, UAE**

Executed water cooled chiller system

**Work Responsibilities**

**As Project & Site Engineer:**

- Fully responsible to successfully manage, execute, complete and handover multiple MEP projects and documents related works, including testing and commissioning process.
- BOQ take off Ducts, Copper pipes and fittings, chilled water pipes, valves and fittings, firefighting pipes, valves and fittings, Plumbing pipes, valves and fittings, Gasmeters, VCDs, Fire dampers, Grilles, Diffusers
- Technical Review– Fire Fighting pipes, Sprinklers, Fire hydrants, Zone control valves, Alarm check valves, Fire hose cabinets, Landing valve cabinets, FM 200, FCUs, Chillers, FAHUs, AHUs, Pumps, Ducts and Accessories, Valves, water heaters, elevators etc
- Arranging - Sub contractors for assigned work to complete in the project time line.
- Preparing – Daily, weekly work progress reports and project plans
- Planning and executing of the man power and work schedule, to meet volumes with good productivity through optimal manpower utilization.
- Meeting clients and consultants to review project specifications and define project scopes of work.
- Prepare relevant documents to conduct inspection for completed installation activities and raise RFI to consultant.
- Verify shop drawings with tender drawings, prepare submittal cover pages, raise MIR, raise RFI etc.
- Coordination with MEP, Civil and all other contractors and other services in the site.
- Get approved shop drawings, MEP coordination drawings, work method statements and project specifications from the concerned dept. Review suggest design changes as per the site conditions.

**In Quality Control:**

- Ensure site activities are aligned with project specifications and applicable codes.
- Generate method of statements for all on site activities
- Documenting of all quality related data's like RFI, ITP, Dossier, MIR, NCR, Method statements etc
- Review and generate quality plans and inspection test plans (ITP), perform all internal and external audits behalf of the company's management.
- Ensure the material submittals complies with project specification standards.
- Conduct Inspections for the HVAC, Firefighting, Plumbing, LPG systems and give approvals based on the work quality and project specification.
- Implement the quality control programs and method of statements over all site activities, arrange random checks and verification of proper record handling by the contractors.
- Inspect all the materials delivered to the site and make sure it matches the approved material.
- Control and record all documentation upon the completion of the project.
- Review submittals and get approval from the consultant, report NCR and follow up a resolution of the issue.
- Undertaking all site supervision and Site Inspections.

**In Procurement and Estimation:**

- Arranging contractors for relevant scope of works.
- Sourcing suitable suppliers and manufacturers for mechanical components like pipes, fittings, pumps, chillers, ducts, sprinklers etc.
- Conducting vendor prequalification processes and negotiating terms and conditions.
- Reviewing technical specifications and ensuring materials meet project and industry standards like NFPA, ASHRAE,

ASTM etc., addressing technical clarifications and ensuring adherence to engineering standards.

- Negotiating pricing, payment terms and delivery schedules with suppliers., Identifying cost saving opportunities without compromising quality.
- Preparing purchase orders, agreements and contracts
- Ensuring materials are delivered to site in alignment with construction schedules.
- Following up with suppliers to ensure on time delivery and addressing delays or issues.
- Ensuring compliance with local regulations and project specific standards.

## **Education**

### **Bachelor of Technology [2010-2014]**

Mechanical Engineering from Mahatma Gandhi University  
Kottayam, Kerala, India

### **Post Engineering Specialization course [2014]**

HVAC, Plumbing & Firefighting from ACE  
Cochin, Kerala, India

## **Skills & Core Competencies**

### **Technical:**

MS Office  
AutoCAD  
Duct Sizer  
Pipe Sizer

### **Non-Technical:**

Material management  
RFI management  
Creative Thinking  
Vendor & Contractor oversight  
Site resource Management  
Mechanical Inspections

Strategic Leadership  
Time & Task Management  
Critical Thinking  
Client – Consultant management  
Quality assurance & Compliance  
Design technical data reviews

Project Management  
Conflict Resolution  
Interdisciplinary Collaboration  
Project Planning, Estimation  
Project Documentation  
Quantity takeoff

## **Languages**

**English:** Fluent

**Hindi/Urdu:** Fluent

**Arabic:** Basic

**Malayalam:** Native

**Tamil:** Intermediate

## **Personal Info**

**Nationality:** Indian

**Iqama Status:** Valid & Transferable

**Driving License:** Saudi and Indian