

MOHAMMED RAFI K T

Instrumentation & Control Engineer

(Total 7 years' experience)

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Electrical & Instrument Maintenance

Installation & Testing

Calibration & Troubleshooting

Quality Control Analysis

Preventive & Breakdown Maintenance

Industrial Automation PLC, SCADA, DCS.



Profile Summary

- I am Graduate in Applied Electronics & Instrumentation (B-Tech, 2014).
- Instrument & Control Engineer with 7 years of experience in Instrument & control jobs including Construction, commissioning and maintenance in petrochemical and oil & gas plants.
- Worked in various industries and petrochemical plants both local and abroad
- Currently working as an E&I Team Lead in Yanpet (Yanbu Petrochemical Company) under Majdouie De-Rijke since Jan'19
- Acting as a Team Leader while supporting the planned, preventative, and/or predictive maintenance activities that support the electrical and process control systems of the plant.
- Worked as a Project Engineer for a refinery construction project under **Inkal Ventures Pvt. Ltd.**, India.
- Worked as a Shift supervisor for MAFFFL (Mumbai Aviation Fuel Farm) Facility) under **Bharat stars Pvt. Ltd.**, Mumabi, India.
- Worked as a senior Instrument technician for Binani Zinc Pvt. Ltd., under Akshai Controls Pvt. Ltd.
- A proactive learner with a flair for adopting emerging trends & addressing industry requirements to achieve organizational objectives & profitability norms.

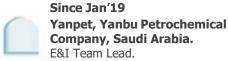


- MS Office
- MOVITOOLS
- MATLAB



- B-Tech: Applied Electronics & Instrumentation.
- PG Diploma in Industrial Automation.







July'2015 - Oct'17 **Bharat Star Pvt. Ltd.** Mumbai, India Shift Supervisor.



Nov'17 - Dec'18 Inkal Ventures Pvt. Ltd. Kerala, India. Project Engineer-Instrumentation.



Since Jan'19-Till Date: Yanpet (Yanbu Petrochemical Company), Saudi Arabia. **E&I Team Leader**

Responsibilities:

- Expertise in the following machines operation and maintenance
 - o FFS Bagging machine (Wind moller & Holscher)
 - o Palletizer, shrink wrapping machine, Stretch hood machine (Wind moller & Beumer)
- Troubleshooting of all Electrical and instrument equipemts in the plant (Motors, brakes, SEW motor drive, contactors, breakers, solenoid valves, photocells, proximity switches, digital & analog sensors, fiber-optic sensors, air regulators, profibus communication devices & cable, Ethernet switches, ASI network devices, printers, weighing scale, metal detector, etc.)
- Administering activities like:
 - o Diagnosing problems, replacing or repairing parts, testing and making adjustment.
 - Planning and conducting of machines daily, weekly and monthly PM activities.
 - o Assembling, installing and testing of Electrical Motor Drives and Controllers.
 - o Install and maintain machines and the plant instrument & electrical equipment's.
 - o Loop Checking, Troubleshooting and Calibration of all Process Instruments.
 - Prepare daily reports and other documentation works.
- Maintenance of PLC panel and knowledge of DCS, SCADA and LMS System.
- Well familiar with engineering drawings such as P&ID, Loop Schematics, wiring diagrams, cable routing layout drawings, instrument Hook-Up diagram, cable schedule, instruments data sheets, single line diagrams etc.
- Well aware of Safe Work Permit Systems (Sabic 'Permit Receiver' Holder), Hazardous Area Classifications,
 Temperature Class.

Nov'17-Dec'18: Inkal Ventures Pvt. Ltd., Kerala, India. Project Engineer

Responsibilities:

- Execution of customized construction projects for refineries & petrochemical plants.
- Execution of project within cost and time constrained environments.
- Reviewing of all documents related to projects.
- Conducting site surveys for assessing site condition.
- Preparation of various engineering documents like Electrical Wiring schemes, IO Listing, Cause and effect, Cable
 Schedule, Shelter layout, SLD, P&ID etc.
- Co-ordination with other departments for various deliverables like vendors, marketing, purchase, production, stores, execution & other engineering departments.

- O Participate and prepare documents for online Tenders.
- O Co-ordination with the vendor and clients for clarifying various issues.
- Regular and weekly progress meeting with superiors and clients.
- Planning of Instrumentation work as per scope of work.
- Preparing all relevant documents according to refinery standards.
- Management and skill development of the manpower at site.

Jul'15-Oct'17: Bharat Stars Pvt. Ltd., Mumbai, India. Shift Supervisor

Responsibilities:

- Taking care of aviation fuel farm operation which includes operating, controlling and maintaining fuel farm activities like Receiving, Storing and Dispatching Jet Fuel (Jet A-1).
- Transfer product and monitors storage tanks, pipelines and related equipment to ensure that they are in good working order to prevent spills, releases and overfills and product contamination.
- Sample and test product for quality control and perform periodic inspections and basic maintenance on Facilities, fuel systems and fueling vehicles.
- Monitor and control of automated fuel hydrant.
- Understanding and ensuring compliance with the health and safety regulations and quality standards of the company which work is undertaken.

May'14-Jun'15: Akshai Controls Pvt. Ltd., Kerala, India. Instrument Technician

Responsibilities:

- Installation & Calibration of different types of Electronics & Pneumatic instrument and Sensors (Flow, Pressure, Temperature, Level, Vibration, etc.).
- Hands on experience with field instruments: Control Valve, Solenoid Valves, Transmitters, Switches,
 Gauges, Regulators, Filters, I/P, Control Panel's etc.
- Experience in Calibration of SMART and FF instruments using Field Communicator (Emerson 375,475).
- O Good knowledge of Instrument Cabling, Glanding, Termination & Tubing.

& Personal Details

Nationality: Indian

Date of Birth : 11th June 1990

Marital status: Married

Languages Known: English, Hindi, Tamil and Malayalam.

Passport No. : M4324321 | **Expiry**: 13/8/2025

Permanent Address: Kothangath Thayyil H, Panangattoor PO, Tanur VIA, Malappuram, Kerala, India.