

Holds a B. Sc. in Electronics & Instrumentation Engineering and an Engineering Diploma in Instrumentation Technology. Has over 8 years' experience working in pre-commissioning, commissioning, maintenance and inspection activities across Oil and Gas industries, Power plant and Cement plant areas (India, Qatar, UAE & Oman).

## **PERSONAL DATA**

Nationality : Indian  
Birth Date : 29/04/1992  
Gender : Male  
Marital Status : Single  
Residence : Currently Abu Dhabi

## **EDUCATION**

- : B. Sc. in Electronics & Instrumentation Engineering, Anna University, Chennai - Mahendra Engineering College, Salem, INDIA, 2013
- : Engineering Diploma in Instrumentation Technology - State board of Technical Examination, Kerala - Department of Technical Education - Government Polytechnic College, Palakkad, Kerala, INDIA, 2010

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : H2S and SO2 Hazardous Gas Awareness, Breathing Apparatus Training and Gas Tester Training.
- : Undergone Safety Awareness and Induction, Hazardous area classification, various PPE using in exposure and Fire extinguisher system training from STS, DOPET and TSPL.
- : Permit to work system.
- : MS Office tools.
- : Automation course On PLC and SCADA held in prolific Automation Centre, Cochin.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jun. 2019 till Jun. 2021  
**Employer** : STS (Safety Technical Services & Trading Co. LLC), Musat, Oman  
**Job title** : Instrumentation Engineer

**Job Description** : 

- Installation, Repair, Calibration, Inspection & Testing of field instruments, fixed gas systems addressable & conventional type fire alarm and fire and gas system.
- Installation and Programming of fire and gas system of OLDHAM MX-43 and calibration of transmitters such as Honeywell sensepoint, Detcon, MSA, OLCT 100, General monitors and itrans etc., also Gas monitors like as Honeywell, RAE system, etc.
- Installation and Maintenance of Fire and Gas systems Fire Alarm systems in offshore and on shore rig sites.
- Prepare inspection reports in professional manner with inspection standards.

**Dates** : From Mar. 2019 till May 2019

**Employer** : Ad Gas (Train 1 & 2) – DESCON, Abu Dhabi, UAE

**Job title** : Instrument and Control Specialist

**Job Description** : 

- Carry out Plant maintenance and Shutdown activities in the site.
- Perform and supervise the Dismantling, Reinstallation, calibration and testing of control valves, ESD and Antisurge valves. Simulation and loop test for transmitters and switches in the area of Cryogen, Propane and Gas feed compressor.

**Dates** : From Sep. 2016 till Jun. 2018

**Employer** : DOPET (Doha Petroleum Construction Co. Ltd.) - Qstec (Ras Laffan), Doha, Qatar

**Job title** : Instrument Supervisor

**Job Description** : 

- Carry out Plant Commissioning and Maintenance of Polysilicon petrochemical production plant.
- Pre-commissioning and Commissioning of process instrumentation, fire and gas and fire alarm system.
- Carry out Commissioning loop checking, calibration testing, repair and troubleshooting of conventional smart hart used in pressure, flow, temperature, level transmitters and other instruments controller, including of kind of control valves and safety valve, damper and other gauges.
- Perform functional and simulation testing loop test for Instrument transmitters, (by Siemens, Fisher, ABB, Honeywell, Rosemount and E&H) controller and emergency shutdown control from PLC. DCS automatic mode given and feedback to stroking a control valve and shut down valve.
- Perform functional testing of on-off valve. Calibration and configuration of control valve hart (by masonellan, fisher, flow serve, rotork etc.). System logic testing, complex loop and interlocking system associated with the PLC.
- Field diagnostics check and calibration by using HART 375 and 475 Hand Held Communicator, Loop calibrator, GE Druck, Scandura, hydraulic pump and Fluke Multifunction calibrator.
- Review P&IDs, Instrument cable schedules, Data sheets, IO List, Interconnection Wiring Diagrams, Instrument index, Logic Diagrams, Panel Drawings, Instrument Loop Drawings & Hook-up drawing during the commissioning period.

- Conducting toolbox talk, risk assessments, JSA and method statements for site activities.
- Commissioning of fire alarm control panel-AS 2000 Autronica panel and Tycofire alarm panel.
- Installation, Loop checking, Testing and Troubleshooting of various Fire Alarm devices and Fire & Gas Detectors such as LEL gas detectors, Toxic gas detectors (HCL &CO), beam type gas detectors, Flame detectors, Heat and Smoke detectors of Autronica, Detectronics, Honeywell XNX, General Monitor and MSA.
- Testing of wet type Deluge valve system of TYCO Fire and Gas System.
- Review and understand schematics and drawings of Fire Detection & Alarm System.

**Dates** : From Oct. 2015 till Jul. 2016  
**Employer** : ANI Instruments Pvt Ltd. – Client Vedanta Power project limited (Punjab)  
**Job title** : Instrument Engineer  
**Job Description** :
 

- Carry out Commissioning of 3x660MW production of TSPL.
- Coordinate and Perform Cold loop checking and hot loop checking from panel to field.
- Coordinate and Perform Calibration, Testing and troubleshooting of field instruments (Emerson Rosemount, ABB, E&H, Bentley Nevada, Honeywell, Yokogawa).
- Calibration and testing of Control Valves, Pneumatic operated valves and its accessories such as Actuators, Booster, Air Regulator, Solenoids, Limit switches, Positioner etc.
- Checking of various types of Instruments and sensors such as Thermocouples, RTDs, Switches, Pressure Gauges.
- Testing and limit setting on the motor operated valve of Auma, Rotork, Yepef, Schnider and Greatork.
- Work on practice with DCS Invensys (Foxboro) and PLC Siemens simatic S7 400.
- Calibration & testing of Control Valves, Positioners, Pressure Gauges, Pressure Transmitters, Pressure Switches, Temperature sensors, proximity sensor, vibration sensor, limit switch, PH Meter, etc.

**Dates** : From Jun. 2014 till Jun. 2015  
**Employer** : Malabar Cements Limited, Kerala, India  
**Job title** : Graduate Apprentice - Instrumentation and Control  
**Job Description** :
 

- Carry out Plant maintenance daily activities assisted by the Plant Engineer.
- Prepare materials, equipment's and tools needed for the specific activities.
- Monitor daily accomplishment for daily activity report.
- Maintenance of Online Gas Analyzers, Pollution Control System (RABH, ESP, Bag filter system) Weigh feeders, Weigh bridges (Truck and IN motion) and Grease spray system etc.
- Fault finding, Bypassing, Checking and Verification of field instruments through SCADA and PLCs.
- Familiar of Ladder Diagram (LD), Functional Block Diagram (FBD), HMI and Pneumatic system.

- Trained using of HART communicator Fluke 754 and perform calibration of Instruments.
- Trained in Siemens PCS7 (S7 400), Allen Bradley SLC 500, Control Logix555, Rockwell RS LOGix500, RS view32, etc.
- Prepare daily work report.
- Perform shutdown activity as prepared by the checklist manner.
- Refer and review plans and drawings.

- Dates** : From Jun. 2013 till Apr. 2014
- Employer** : Revelation Automation pvt ltd – Client Mangalore Refinery and Petrochemicals Ltd (Mangalore)
- Job title** : Instrument Engineer Trainee
- Job Description** :
- Plan and execution of works on Instrumentation activities such as installation of instrument junction boxes, conduits, installation of cable trays, cable pulling-primary & secondary, termination of cables and loop continuity and loop checking.
  - Coordinating the Instrumentation works such as JB & Panel Installation, Tray & Duct works, Cable Laying, Glanding, Termination, Loop Checking of Erection & Commissioning Activities.
- Field of experience** :
- Experience in Pre-commissioning, Commissioning, Inspection and Troubleshooting skills of instrumentation systems, F&G systems and Field Instruments.
  - Worked in Oil & Gas Industries, onshore and offshore plants and rig. Maintenance of cryogen, propane and gas feed compressor, Installation and testing of control valves, ESD Valves, Fire & Gas Systems, Fire Alarm Control systems, etc.
  - Knowledge in various type of Instruments Gas Analyzers & Knowledge of Field Instrumentation, various system – DCS Invensys Foxboro and Siemens S7-400, PLC, SCADA etc., & knowledge of F&G system.
  - Also, can read and interpret all the E&I related project AFC drawings/documents, Hook-up, loop Diagram, Data Sheets & Location Layouts Provide daily work progress report to the respective project engineer.
  - Pre-commissioning of field Instruments Transmitters, RTD, T/C, valves in Test position, Load and no-load condition in Real time & Simulation, during SAT, FAT software punches like graphics, address mismatch, instrument tags missing, Range mismatch, alarm set point etc., to be cleared with vendor.
  - Knowledge in Maintenance and calibration of the control valves (Pneumatic, Part turn, MOV, NRV, ....) of masonellan, fisher, flow serve, rotork etc., Experienced in flowmeters simulation and testing and configuring (electromagnetic, orifice plate, ultrasonic, vortex, coriolis) of ABB and Rosemount etc.
  - Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, specification sheets, loop & logic diagrams, etc.
  - Worked in Installation, Commissioning and Programming of Fire and Gas system of Autronica AS 2000, OLDHAM MX 43, Cooper etc., and different type of conventional fire alarm systems.