**Curriculum Vitae**

**Post Applied for: Instrument Technician**

|  |  |  |
| --- | --- | --- |
| **Bhavesh**  |  | bhavesh-392992@2freemail.com |
|  |  |  |

### CAREER OBJECTIVE

### Seeking a challenging Job to utilize my skills and abilities that offers professional growth and keep myself dynamic, visionary and competitive with the changing scenario of the world.

### Emirates Technical & Safety Development Centre, Abu Dhabi

* Offshore, T-BOSIET – Tropical Basic Offshore Safety Induction & Emergency Training Course, (OPITO Approved), Abu Dhabi – UAE Completed on 08-08-2017.
* H2S Training Completed on 08-08-2017.

### CAREER SUMMARY

* Over ***13 + years*** plus experience in Instrumentation and Control on major projects in Oil filed projects, Petrochemical, Chemical plant Gas plant. My Comprehensive experience includes online Corrective & Preventive maintenance, plant construction, and Commissioning & Start-up assistance. Capable of doing Calibration & repairs of various pneumatic and electronic field Instruments & Loop checks & Function test on Honeywell PKS C300,Honeywell TDC 3000 , Honeywell TPS System, DETA V( SCADA), Yokogawa Centum VP & CS 1000 DCS , foundation fieldbus, ICSS, Siemens PLC& Bentley Nevada System. Able to read all applicable drawings including P&ID, Loop Sheets, Cable schedule, JB wiring Instrument Location & Instrument Hookup drawings, Instrument data sheets.

### TECHNICAL SKILLS

Modbus Check, RFI, Loop Check, Function Check, Start-up, Commissioning, Installation, Troubleshooting, Calibration, Repairing, Operation & Maintenance of Instrument & Shut-Down job

### HANDLING OF TEST EQUIPMENT & INSTRUMENT

Knowledge in handling the test equipment like HART communicator 475, 375,275, Fluke Multitester, Druck 610 Pressure Calibrator, Druck 603 Pressure Calibrator, BEAMEX MC5 Multifunctional Calibrator, PC6-15 Pressure Calibrator, ARMATUREN Comparator, DRUCK Deadweight Tester, DRUCK DBC650 Temperature Dry Block Calibrator, DRUCK 725 communicator, ENDRESS & HAUSERCommunicator, Fluke Multi-Tester

### EXPERIENCE IN BRIFE OIL & GAS PROJECT

**1) Employer : Star Service llc. (UAE)**

 **Client : ADMA Offshore (Project 2207 & 2208)**

 **Designation : Senior Instrument Technician**

 **Duration : 28/03/2018 to 25/04/2019**

**JOB RESPONSIBLITIES:**

* Receive for permit to work & Ensures safety in the work place.
* All type of instruments in (UTP,GTP,AP,SP) Process and Utility, ESD systems, F&G system, area such as flow, level, pressure, differential pressure, temperature transmitter testing and adjusting the gap voltage Vibration, speed, trust sensor Bentley Nevada 3500 series, Stroking and Calibration troubleshooting of Fisher Control Valve & MOV.
* **GE GAS** TURBINE GENERATOR MARK VI PANEL. Asst. vendor of **G.E**, Panel energized, calibration, function testing, Start-up Activity, GT. Testing of Process Control Valves, On-Off Valves, Emergency Shutdown Valves and its system configuration.
* Checking & calibration for control valve, safety valve, plant startup activities in process area.
* Hot and cold loop checks and functional test of field instruments signals & F & G system Field & to DCS (**Yokogawa Centum VP System**) control room via hard wiring and serial link & also check MMS & MCC system.
* Preparing the report on punch list for any problem/abnormality encountered on the device/instrument on actual field & correction for wiring termination in the junction box cabinet & local equipment room (LER).

**2) Employer : Jones Engineering Group (UAE offshore)**

 **Client : Zadco Offshore**

 **Designation : Senior Instrument Technician**

 **From : 04/08/2016 to 06/02/2018**

**JOB RESPONSIBLITIES (Commissioning & Maintenance)**

* Maintenance and troubleshooting of different types of instrument & Fire & gas system
* Support operation for **shutdown activities**.
* Preventive, emergency and Corrective maintenance of the crude oil production platform. Maintenance and repair of all kind of field instruments and control systems, day-to-day preventive and repair works, online modifications to system applications, online trouble shooting of instruments and control systems.
* **Major Areas** : Yokogawa DCS, Well Heads/ Well Control Panel modules, Process area, ESD systems, F&G system, Utility Area etc. Fault finding and repair of all Instruments including Well head control modules, DCS, F&G systems, PAGA systems etc.
* Performed corrective & preventive and emergency maintenance, trouble shooting, repairing Of **instrument** and daily routine jobs
* Having good knowledge in servicing and calibration of smart **instrument** devices with Hart Compatibility on line and offline servicing, calibration of pneumatic, hydraulic, motor operated valves and accessories (Positioners (smart). Booster rely, lock up relay, transfer valves and position transmitters).
* Performed calibration, configuration and trouble shooting of transmitter such as Rosemount, ABB, and Yokogawa & Honeywell etc. & Control Valve & On-Off Valve.
* Worked with **foundationfieldbus** and hart protocol transmitter and positioners
* Closing the work orders for completed jobs.
* Maintain all Documents/ Records of Preventive maintenance, SOP, Calibration Certificates & other documents required for various Audits (ISO

**3) Employer : SPIE OIL& GAS MIDDLE EAST SERVICES (Doha- Qatar)**

 **Client : Qatar Petroleum**

 **Designation : Senior Instrument Technician**

 **From : 12/03/2015 to 22/03/2016**

**JOB RESPONSIBLITIES: (Control Technician)**

* Performed Preventive & Corrective And Emergency maintenance including calibration, Fault finding and Trouble shooting Of **instrument** and daily routine jobs with DCS System.
* Performed calibration of preventive maintenance **instrument** and preparing certificate
On system and uploading to SAP
* Conducts Monitoring and maintenance of field instruments based on schedule Process and Utility, ESD systems, F&G system
* Calibrates transmitter: PT,TT LT & FT, (Rosemount, Honeywell, Yokogawa, Endress&Hauser) ,
* Calibration and configuration of control valves with a Digital Valve Controller(DVC) of Fisher Samson , Parker &Measoline, On-Off Valve &Mov Calibration Function Test &Troubleshooting
* Maintenance and troubleshooting of different types of instrument
* Support operation for shutdown activities
* Receive for permit to work & Ensures safety in the work place

**4) Employer : SPIE OIL& GAS MIDDLE EAST SERVICES (Leighton Offshore - Iraq)**

 **Client : South Oil Company (Iraq)**

 **Designation : Senior Instrument Technician**

 **From : 25/07/2013 to 16/11/2014**

**JOB RESPONSIBLITIES: (Control Technician)**

* Receive for permit to work & Ensures safety in the work place Follow. Planning and monitoring for maintenance tools, equipment’s and consumable.
* Here I was appointed for the startup, Pre-commissioning, Commissioning and activities for the new onshore oil field. After the Management was selected and appointed me in there Instrumentation maintenance team.
* After the First oil production started, Here my task & responsibility to includes Calibration and maintenance of various hydraulic and electronic instruments throughout the onshore production field & well head Field such as advanced pressure, temperature, level and flow instrumentation, vibration monitoring, PID controllers and various types of control valves and also Fire and Gas, PLC, DCS, SCADA, ESD System as well.
* I my routine activities in Instrument maintenance activities in Crude Processing trains, Nitrogen generation package, Air compressors, Oil gathering manifold, Storage tanks, Fire fight system,
* Export Metering system, Oil & Gas Wells testing skid, Various chemical injection Skids, Water injection, Well head maintenance, Export Pumps, Crude treatment and I also involved job coordination with vendors carried out installation and commissioning various packages and equipment's.

**5) Employer : PRINCE ENGINEERING**

 **Client : Gujarat Gas Company**

 **Designation : Senior Instrument Technician (Maintenance)**

 **From : 02/06/2012 to 15/07/2013**

**JOB RESPONSIBLITIES:**

* Co- operation with operation, preparing equipment for maintenance & returning to safe service.
* Good experience in case study of plant & modification implementation to avoid failure repetition.
* Field modification, Fault Diagnosis & Trouble shooting.
* Day to Day Activities (job Distribution, Safety talk, Tool box Talk, Permit Authorization etc.)Central Control Room. Smart transmitter’s calibration and maintenance work.
* Involved in day to day preventive Maintenance for field instrument, individually and in a team.
* Shift duties as a shift in charge Instrument for Instrumentation maintenance & Troubleshooting.
* Well experienced in all type of electronic instruments calibration, commissioning, servicing.
* Experienced in various troubles shooting to Pressure transmitter, D.P.T Flow transmitters, Temperature transmitter, Level transmitter, Control valve, Switches and etc.
* Repair and overhauling of Control valves and positioner calibration and stock check.

**6) Employer : BHAWAN ENGINEERING COMPANY (SHUT-DOWN JOB - OMAN)**

 **Client : Oman Indian Fertilizer Company**

**Designation : Instrument Technician**

**From : 09/04/2012 to 06/05/2012.**

**JOB RESPONSIBLITIES:**

* I had worked in OMFCO. Had attend their shut down of Ammonia plant. I had done calibration of control valves with SMATR positioned SVI & SVI 2, Press Transmitters, flow transmitter, level- trolls and I also removed and reinstallation of thermo wells and also calibration Temp transmitters.

**7)Employer : BHAWAN ENGINEERING COMPANY (SHUT- DOWN JOB - OMAN)**

 **Client : Shohar International Urea & Chemical Industry**

 **Designation : Instrument Technician**

 **From : 07/01/2012 to 08/02/2012.**

**JOB RESPONSIBLITIES:**

* I had attended their shut down of TRAIN # 1&2& BOILER # 1&2 & Compressor Area. I had attended their calibration of control valves on-off valve, various type of transmitter& switches. Start up activities.

**8) Employer : SAIPEM ENGINEERING (DOHA –QATAR)**

 **Client : Qafco Project 5 & 6**

 **Designation : Instrument Technician**

 **From : Oct. 2010 to Oct. 2011.**

**JOB RESPONSIBLITIES:**

* Working as Group Leader For Loop Testing, Functional Test, Pre Commissioning, and Commissioning Activities Of Various Instruments Related to Process, Utilities & Offsite. Also Involve in Maintenance Job during the Warranty.
* Mainly involve in calibration, loop checking, Pre **commissioning** and **commissioning** activities: loop check, trouble shooting, calibration, and function check, startup activities of GE Compressors with GE Gas turbines (Frame 6 and Frame 7), boil off Gas Compressors,Train1 general instruments (Fieldbus and Hart ).Worked on Vibration System ( Bentley Nevada Series #3500). Also involve in operation maintenance with RFO Team.
* Preparing the report on punch list for any problem/abnormality encountered on the device/instrument on actual field & correction for wiring termination in the junction box cabinet & instrument technical room (ITR).
* Testing, calibration and maintenance during pre-start-up of the system on the temperature, pressure, flow & level transmitter instrument/device using hart 375/475 communicator.
* Hot and cold loop checks and functional test of field instruments and signals to central control room (CCR) via hard wiring and serial link.
* Test simulation of the control valve percentage of opening & closing.
* Doing as build on the instrument loop diagram & mark up for any changes or discrepancies.
* Verification of the ESD trip on the control panel

**9) Employer : LINDE ENGINEERING & C.C.I.C. (U A E)**

 **Client : Brouge Ethylene (EU-2) Project &Gasco**

 **Designation : Instrument Technician**

 **Duration : July 2009 to July 2010**

**JOB RESPONSIBLITIES:**

* Inspection and confirmation of **instrument** loop line as per loop diagram and inspection of **instrument** location as per the latest revision drawing.
* **Commissioning** of all instruments in process and utility area such as flow, level, pressure, differential pressure, temperature transmitter testing and adjusting the gap voltage Vibration, speed, trust sensor Bentley Nevada 3500 series Stroking and Calibration troubleshooting of Fisher Control Valve.
* **Commissioning** GAS TURBINE GENERATOR MARK VI PANEL. Asst. vendor of G.E, loop
* Checking and calibration function testing GT.Testing of Process Control Valves, On-Off Valves, Emergency Shutdown Valves and its system configuration.
* Field simulation for graphic checked in Central Control Room and to ensure the proper orientation of instruments & motors and correct address to the Input/ Output card/ module.
* Logic checkup from field to DCS & PLC Trouble shooting in DCS & PLC.
* Logic checkup from field to DCS & PLC,

10**)Employer : SAMSUNG ENGINEERING (SAUDI ARABIA)**

 **Client : Tasnee Petrochemical Ethylene Cracker Project**

 **Designation : Instrument Technician**

 **Duration : March 2007 to March 2009**

**JOB RESPONSIBLITIES:**

* Use the permit to work system before work on the assign system & sub-system.
* Making the Instrument test report (ITR-B) for every loop completed.
* Involve in the tri-party walk down with the client.
* Assist on vendor to test the skid system communication to ICSS (Integrated Control Safety

System).

* Work with latest protocol like Hart Communicator Familiar with 375 & 475 Field Communicator, Instrument loop testing, Functional test, Calibration & Commissioning Activities in process area Instrument like (Yokogawa ff) control valve with Fisher DVC 6000F Series Positioner &Metso& Siemens Positoner, SOV, ESDV, On-Off Valve, Thermocouple, RTD.I am working with Honeywell TDC3000.
* Doing the as built on all loop drawing of Safety Instrumented System (SIS), Process Automation System (PAS), & Fire & Gas System as per Engineering new revision drawings.

**11) Employer : NAVIN FLORINE COMPANY**

 **Client : NavinFlorine Co. (Surat)**

 **Designation : Instrument Technician (Maintenance)**

 **Duration : 12/08/2004 to 25/02/2007**

**JOB RESPONSIBLITIES:**

* My responsibilities are to make permit and arrangement for all technicians as well as for all zero checking, calibration, valve overhauling, material inspection, pressure testing, loop checking, removal & fixing of different types of Instruments & Provides all requirement to make job easy and in time and to satisfy our clients and to complete all jobs and to maintain all documents.
* To make all arrangements to do pre- commissioning for the new DCS controlled system and its associated process loops and installation and commissioning of process instrument.
* I was engaged in erection, commissioning, start up and modification of different loops and instrument as per process requirement.

**12)Employer : GUJARAT GAS COMPANY**

 **Client : Gujarat Gas Co. (Surat)**

 **Designation : Instrument Technician**

 **Duration : 01/01/2003 to 26/04/2004**

**JOB RESPONSIBLITIES:**

* Installation of instruments, cable termination and loop checking, commissioning calibration, and troubleshooting for all kinds of loops
* Lab calibration of Various electronic & Pneumatic field and panel instruments
* Walk down on all sub-system and updating all the drawings on actual field installation base on the piping & instrument diagram (P&ID).
* Testing, calibration and maintenance during pre-start-up of the system on the temperature, pressure, flow, level transmitter on/off valves & control valves instrument/device using hart 375/475 communicator.
* Correction of wiring termination in the junction box cabinet & instrument technical room (ITR).

**13) Employer : ATUL CHEMICAL LTD**

 **Client : Atul Chemical Ltd.**

 **Designation : Instrument Technician (Apprenticeship)**

 **Duration : 14/04/2001 to 13/04/2002**

**JOB RESPONSIBLITIES:**

 Association work with preventive and corrective maintenance overhauling and shut down job. I had done overhauling of control valve & all instruments calibrated fire alarm systems and related logics. Calibrated and tested smoke detection systems, flare system. I had done interlock checking ESD checking and shut down. Well experienced in all types of electronic instrument calibration, commissioning and servicing. Experienced in various troubles shooting to pressure transmitters, D.P.T. Flow transmitters, temperature transmitters, R.T.D. I/P converters, level trolls and etc.

### ACADEMIC CREDENTIALS

|  |  |  |
| --- | --- | --- |
| Degree | Board/University | **Passing****Year** |
| **Diploma** | EIILM University Sikkim | 2006 |
| ITI | Industrial Training Institute | 2000 |
| SSC | Gujarat Higher Secondary Education Board, Gandhinagar | 1998 |

### ACHIEVEMENTS

* I secured Second Position in Instrumentation Technician Competition held by our college The Institute of Business Management & Engineering, Institute of Instrument Control Studies 2006.
* Successfully completed “MS Office” Course and scored A Grade in it.

### PROFESSIONAL DEVELOPMENT

**COMMISSIONING ACTIVITES:**

 Handled startup & commissioning activities mainly DCS simulations & monitoring for loop checks, panel checking, field instruments commissioning & loop checks. Its calibration & also trouble shouting during commissioning test runs & start up co-ordination.

**CONSTRUCTIONACTIVITES:**Handled impulse lines according to hook- ups. Instrument air headers, cable trying, Terminal tray work, J.B. instruments installation & control room panel

**I CAN READ:**

 P & I Diagrams, ladder logic, plant instruments location & wiring diagrams, signal cable diagrams, earthling system details & loop diagrams

**FIELD INSTRUMENTS HANDLED :**

**1) Temp & Pressure Measurement:** Fisher Rosemount, Foxboro, Yokogawa, Honeywell smart field transmitters, various T/C, RTD

**2)Level & Flow Measurement:** Ultrasonic & Capacitance Level Transmitters (Endress& Hauser, Danfoss), Displacer Leveltrols (Fisher, Masoneilin), Vortex meters, Magnetic flow meter (Krohne, Endress& Hauser), Flow Transmitters (Fisher Rosemount, Yokogawa, Honeywell).

**4)Valves :**   Fisher, Masoneilin control valves; Antisurge control valves (Fisher CCI drag), Motorized Operated Valves (Biffi, Rotork), Ball Valve, Angle Valve, cam flex valve  & Smart Valve Positioners (DVC 6000 Series Fisher).

**5)Fire & Gas Detection:** IR gas detectors (Point Type) & Open Path Gas Beam Detectors (Sieger/Zellweger), Catalytic Gas detectors (sieger), Flame detectors, Smoke Detectors heat detectors (Thorn), Hydrogen gas detectors (Sieger).

**SYSTEM:**

**1)** Honeywell PKS C - 300 Loop checking and function checking, Commissioning & Maintenance

**2)** Honeywell TDC-3000 Loop checking, function checking and Commissioning.

**3)**Siemens PLC& Allen Bradley PLC Loop checking and function checking and commissioning &Maintenance

**4)** Honeywell TPS System Loop checking and function checking, Commissioning

**5)** Emersion DELTA V DCS & SCADA System Loop checking and function checking, Commissioning & Maintenance

**6)** Yokogawa VP Centrum &Yokogawa Centum CS 1000 DCSLoop checking and function checking, Commissioning&Maintenance

|  |  |
| --- | --- |
|  |  |

**Personal Details**

|  |  |
| --- | --- |
| **Sex**  | Male |
| **Birth Date** | 13/01/1983 |
| **Qualification**  | Diploma in Instrument & Control  |
| **Marital Status**  | Married |

**Linguistic Proficiency (Non-Academic)**

• English, Hindi, Gujarati