

## **RAHIL SUMARA (BE – Instrumentation & Control Engineer with 4+ years of Experience - Maintenance and Project work in Chemical Plant)**

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### **Objective**

To accept responsible & challenging task in the field of Commissioning, Engineering Systems, Maintenance, Planning, Project Management and Related area through synergy of continuous Learning, Hard work, Devotion and Efficient team work such that it helps the personal growth along with the growth of the organization.

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### **Qualification Highlights**

Dynamic, Self-Motivated professional with 4+ years of experience and continued success as Instrumentation & Control Engineer in carrying out all Maintenance activities and as well as Project activities as per standard procedure.

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### **Organizational Experience**

- From **15<sup>th</sup> June 2023 to present** Worked as **Instrument Assistant Engineer in Utilities Maintenance Section in CSCI STEEL CORPORATION INDIA Pvt. Ltd. , Dahej, Bharuch.**
  - Executing and supervising Instrument Maintenance, Shutdown job and ensuring timely completion and quality as per plan.
  - Modification / Up gradation activities from instrument side as per plant requirement.
  - Maintained required materials spare from Instrumentation side using **ERP** for smooth operation.
  - Provide timely resolution and troubleshooting of technical issues related to instrumentation and automation control systems.
  - Hand on working experience in **Mitsubishi (MELSEC-Q) PLC** hardware.
  - Hand on working experience of logic modification and system backup on **(GX-Works 2) Mitsubishi PLC programming software.**
  - Hand on logic building experience in DCS system like : **YOKOGAWA – Centum VP**

➤ From **12<sup>th</sup> December 2022 to 31<sup>st</sup> May 2023** Worked as **Instrument Engineer in SOP (Sulphate of Potash), Bromine, 7.5 MLD Desalination, Co-gen (power plant) and FES(Hydro bromine) Plant in ARCHEAN CHEMICAL INDUSTRIES LIMITED, HAJIPIR, KUTCHH.**

- Responsible for executing and supervising Instrument Maintenance, shutdown job and ensuring timely completion and quality as per plan.
- Ensure that all tasks perform with proper Safety standards & procedures.
- Maintained required materials spare from Instrumentation side using **SAP MM module** for smooth operation.
- Modification / Up gradation activities from instrument side as per plant requirement.
- Hand on experience in various Transmitters Installation and Maintenance: - **YOKOGAWA** (Coriolis Mass Flowmeters), **Rosemount** (Magnetic Flowmeter), **VEGA and E&H** (Radar and Ultrasonic noncontact type Level Tx.)
- Hand on experience in various **Smart Positioners and Electro Pneumatic Positioners** Installation and Maintenance: - **Smart Positioners** (SAMSONE and Siemens) and **Electro Pneumatic Positioners** (AIRA, YTC, Forbes Marshall etc.).
- Hand on experience in various **Actuators** Installation and Maintenance: - **Pneumatic Diaphragm** (SAMSONE), **Pneumatic Rotary** (ROTEX, AIRA) etc.
- Hand on experience in various **Switches** like, Level switch, Pressure switch, Belt Sway switch, Pull cord switch etc..
- Hand on experience in various **Analytical Transmitter** like, pH meter, ORP meter, Conductivity meter, Gas Detectors etc.

➤ From **5<sup>th</sup> December 2020 to 5<sup>th</sup> December 2022** Worked as **Maintenance cum Project Engineer of PAP (Para Amino Phenol), OA (Ortho Anisidine) and 3,4 DCA & 2,5 DCA (Dichloroaniline) Plant in KUTCH CHEMICAL INDUSTRIES Ltd, GANDHIDHAM.**

- Planning, Scheduling, and execution of E&I activities such as tray laying, conduit laying, cable laying, pneumatic tube laying, panel installation, instrument installation.
- JB schedule Documentation, Cable Schedule and DCS System I/O's Schedule.
- Inspection, installation, calibration and maintenance of the different type of controls components such as temperature, pressure, level, flow, pH, conductivity, gas sensors and transmitters, control valves, solenoid valves, loadcell, Weight Scale etc .
- Planning and Installation of the automation control systems (DCS) and Cable Connectivity with Field Instrument and MCC Panel.
- Provide timely resolution and troubleshooting of technical issues related to instrumentation and automation control systems.
- Generate detailed work records and hand over notes to Contract Supervisor.
- Work with Vendors and Contractors on timely installation of instruments.
- Attend and contribute to site and project technical meeting, project review meeting and periodic progress as necessary.
- Pre-commissioning, Commissioning, and start-up support to operations.
- Support for **PAP, OA Distillation and 3,4 DCA** project close out.

- Hand on experience in various communication protocols: Profibus, Modbus, TCP/IP, FO (Fiber optical) and serial communication.
  - Hand on experience in various Transmitters & Control Valve Installation and Maintenance:- **E&H** (Temperature, Pressure & Flow Transmitters), **VEGA** (Level Transmitters), **SAMSONE** (Control Valve & Positioner), **Siemens** (SIPART PS2) Positioner.
  - Hand on experience in SCADA, HMI and DCS.
  - DCS system like: **ABB 800xA**
    - ❖ Hand on experience in I/O Signal Assigning.
    - ❖ Hand on experience in Graphics building as per process requirements.
    - ❖ Hand on experience in I/O Interfacing with graphics.
    - ❖ Hot loop and Core loop check.
    - ❖ Problems identification and troubleshooting Hardware (Panel side and software side).
- YOKOGAWA – Centum VP**
- ❖ Participate in 5 days Training of YOKOGAWA – Centum VP.

➤ From 22<sup>nd</sup> November 2019 to 01<sup>st</sup> December 2020 Worked as **Electrical & Instrument Technician** in Harshal Electrical Pvt. Ltd. (**ADANI PORT & SEZ Ltd, MUNDRA**).

- Preventive maintenance of all electrical equipment like, RTG (Rubber tyre gantry crane), RMQC (Rail mounted quay crane) container crane, EOT (Electric overhead travelling crane) and mobile equipment.
- Maintaining Power Electrical system like CSS (Compact Sub Station) , HT & LT panels, transformer, DG set, Capacitor bank, battery bank, earthing pits etc.
- HM (High must tower) maintenance work.

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## Education Qualification

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- **BE: Instrumentation & Control** - Government Engineering Collage, Rajkot (GTU) in 2020 with **6.60 CGPA**.
- **Diploma: Instrumentation & Control** - A. V. Parekh Technical Institute, Rajkot (GTU) in 2016 with **7.65 CGPA**.
- **Class X** - Sri Tapovan Vidhya Mandir, Navadra (GSEB) in 2013 with **69%**.

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## Academic Achievements

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- Participated in the “GTU YOUTH FEST” in Acting and Directing all act play and winner in Zone level & inter-zone level.
- Participated in community level program and I’m winner in that program.

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## Academic Project

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- Material Transferring and Separating Based on PLC.
- Material Segregation System Based on PLC.

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## Industrial Exposure

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- Aarohi Embedded Pvt. Ltd. , Rajkot
- AICTPL (CT-3), Mundra
- SKAPS India Pvt. Ltd. , Mundra

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## Strengths

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- ✓ Optimist and Team Building.
- ✓ Learning from others mistakes.
- ✓ Creative

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## Personal Details

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- **Date of Birth** :- 25/12/1997
- **Nationality** :- Indian
- **Marital status** :- Unmarried
- **Language known** :- Hindi , Gujarati , English , Urdu
- **E-mail** :- [rahilsumara97@gmail.com](mailto:rahilsumara97@gmail.com)
- **Passport No / Expiry date** :- U2328724 / 09 January 2030

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## Declaration

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I hereby declare that above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Yours faithfully  
**RAHIL SUMARA**