**INSTRUMENTATION ENGINEER**

**MUHAMMAD WASEEM AKRAM**

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Hyderabad, India

**CAREER OBJECTIVE**

To gain a position within your company as an **Instrumentation Engineer.** My skills and abilities to be utilize further, I am enthusiastic to work in an organization where the job is challenging & innovative. My knowledge & skills and offer me professional growth while being resourceful and flexible.

**Summary of Skills**

* About **5** years of experience as an **Instrumentation engineer** in detailed installation, maintenance, commissioning and development co-ordination of instruments and control systems in Power, Process and Mixing Plant projects.
* Configuring and faults diagnosis of DCS, PLC, SCADA, RTU, PF & FF bus Communication, Analyzers and Control Loops.
* **DCS : ABB, Rockwell Automation RS 5000 (Allen Bradley) & GE**

**Energy OC 4000 (Allen Bradley & Schneider)**

* **PLC : Siemens simatic S7 200,300,400,1200 and Allen Bradley**
* **SCADA : WINCC/Siemens sicam**
* Maintenance and calibration of the control valves (Pneumatic, Part turn, MOV, NRV) of Forbes Marshall, MIL, Auma & Rotork
* Experienced in flow meters configuring (electromagnetic, DP, ultrasonic, turbine, variable area) of ABB, Rosemount, Krohne & **Siemens**
* Designing, Implementing and Commissioning of new control loops as per site requirements.
* Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list, flow chart
* Familiar with engineering standards ISA, IEEE, ASTM, NAMUR, ANSI, NEMA & IEC
* Preparing master data sheet for PM schedule; ensuring safe and efficient performing of CM
* Technical Support for the instrumentation team.
* Understanding and ensuring compliance with the health and safety regulations and quality standards.
* Excellent communication interpersonal skills.

**Organizational Experience**

**1. Siemens Limited, Aroli, Mumbai Instrumentation Engineer December, 2013 to till date**

(Payrolls of ANI Instruments Pvt Ltd)

**Key Responsibilities**

* **Provide on-site Technical Product support or installation**
* Installation, Commissioning and troubleshooting of all **Siemens PLC** Process industrial equipments like PT, TT, SMART positioned, FT(Ultrasonic, Electro-mag and Coriolis mass) and LT (Radar,U/S)
* Install hardware and software configurations of all Process instruments.
* Identifies, analyzes and repairs product failures, orders replacement parts as required.
* Provide technical product training and basic user functionality training to customer base when required.
* Work closely with Field staff to implement appropriate policies to manage work flow and Communication.
* Inspection of assembled equipment, to ensure proper installation.
* Inspection of all operating parts to ensure proper operation within expected tolerances.
* Tune and troubleshoot equipment for proper operation.
* Interact with internal and external project managers during field projects.
* Clearly and professionally interact with customer regarding status of commissioning on daily basis
* Able to determine tools and equipment required to perform scope of job.
* **Provide Tier 2 Technical Product customer support**
* Resolve customer issues with hardware and software related issues on process instruments.
* Ensure customer satisfaction is maintained
* Escalate technical issues to R&D/Product Management as needed
* Provide product feedback/customer suggestions to R&D
* **Remain flexible in filling other project roles as required**

**2. Gopani Iron & Power Ltd Instrumentation Engineer Aug 11 – Dec 2013**

(Payrolls of APT Power Engineering Ltd)

**Key Responsibilities**

* Leaded a team of Eight instrument technicians
* Maintenance and calibration of Pneumatic Control Valves and Part turn Actuated Valves (Weir, Flowserv, MIL & Forbes Marshall) and Part turn Actuated Valves (Bray, Airtorque & Flowtek)
* Maintenance and calibration of transmitters PT, LT, TT, DPT (Emerson, Rosemount, Honeywell, ABB & Yokogawa) and vibration transducers.
* Troubleshooting the totally integrated automation **Rockwell RS5000, ABB & GE energy** (DCS OC 4000 SCADA WINCC) software and hardware.
* Maintenance and calibration of different analyzers: Conductivity, Chlorine, PH, SDI, Turbidity & TDS
* Maintenance and calibration of flow meters (electromagnetic, turbine & ultrasonic)
* Calibrating and adjusting the dosing pumps.
* Reporting periodically to Maintenance Manager, preparing PM and TPM reports.
* Maintenance & calibration of turbine governor control system, and Bentley Nevada 3500 measuring system (Acceleration, Velocity, Thrust & Vibration)
* Calibrating of weighting systems including load cell 20 ton capacity
* Planning and implementing additional control loops as per site requirements
* Maintenance & calibration of Dryer temperature control system (LLOYDS)
* Strong background in motor defects, soft starters, drives, star/delta starters, VFD, MCC
* Printed circuit boards (PCB) Repairing, Sequential timer cards Designing, and Modifying.
* Configuring of stack sampler set, and O2 analyzer.

**3. RFCL Avantor, Hyderabad Service Engineer Jan 10 – Feb 2011**

**Key Responsibilities**

* Sales & Servicing of Bio-medical products like Endoscopy system and Surgical Staplers
* Worked for Garish Surgical based at Hyderabad as Sales & Service Executive, who is an Authorized Business partner for M/S RFCL Ltd.
* Handling sales & service of Flexible Video Endoscopes and Surgical Staplers.

**EDUCATIONAL QUALIFICATION**

* **B.Tech** (Electronics and Instrumentation) from Jawaharlal Nehru Technological University, Hyderabad in **2011**
* **HSC** from Board of Intermediate, Hyderabad in **2007**
* **SSC** from Board of Secondary Education, Hyderabad in **2005**

**PERSONAL PROFILE**

Father's Name **:** **Mr. Muhammad Ahmed**
Date of Birth **:** 20/07/1990
Gender **:** Male
Marital Status **:** Single

Nationality **:**         Indian

Languages Known             **:** English, Urdu & Hindi

Permanent Address : 19-1-1062/B/12, Bandalguda,

 Bahadurpura, Hyderabad,

 Andhra Pradesh, 500064

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