Mr. Simon Diar
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M.Tech. with Digital Systems and Computer Electronics
B.Tech. with Electronics and Instrumentation.

Career Objective: To obtain engineering position that allows me to use and expand my current skill set.

Designation : Instrumentation Engineer

Industry of Working: MATE- Motherson Automotive Technologies and Engineering, a division of **Motherson Sumi Systems Limited.** Sumi Motherson is a **580 Million Dollar** organization. It has 42 manufacturing branches all over the world including North America and Sharjah.

What Do We Do: MATE is into polymer processing. It specializes in blow moulding, injection moulding and compression moulding. MATE manufactures a wide range of plastic components for the Automotive Industry, Customer Durables, White Goods and Electronics.

Our Customers: Honda, GM, Olypmus, Maruti Udyog, Yamaha, Samsung and LG.

Products: Door trim modules, Pillar trims and covers, instrument panels, grip handles, bumpers etc.

Job Responsibilities: My job includes the following activities,

1. Preparation of **Inprocess Inspection Report, Daily Check Sheet, First and Last Inspection report, Annual Prevention Maintenance Plan, Defect Information Sheet and Process Lot tag.**
2. Awareness about **5 S, 6 R and 7 Industrial Wastes.**
3. A complete lookout towards the entire production system i.e., from procuring of raw materials to completion of finished goods.
4. Optimization in operation cycle of **40, 60, 80, 85, 160, 200, 500 and 3000 Ton CNC** Machine.
5. Have been trained to handle and operate **L&T** (40, 60, 85 and 500 Ton), **Engel** (160 Ton), **Battenfeld** (200 Ton) and **Mitsubishi** (3000 Ton) Machines.
6. Have undergone training for **Toyata Production System,** which is the best production system till date.
7. Calibration and Maintenance of **PID Temperature Controller, Thermocouple and Mould Temperature Controller** used.
8. An understanding to **Manpower Handling** and efficient utilization of resources.
9. Techniques for reduction in **Idle Time of Workers** and Working for the development of their Skills by imparting **Training Programs** and **Counseling.**
10. Designed **Assembly Line for GM Door Trims** taking all the factors into consideration.

Capabilities: I am familiar with the following **Mechanical** aspects of the industry,

1. Design and troubleshooting of advanced **Pneumatic** circuits for controlling multi cylinder both operable and in-operable circuit's.
2. Hands on training in Industry standard Electro-pneumatics control by **Festo,** a German organization.
3. Advanced **Hydraulic Systems with PID** controls, their trouble shooting and remedial measures.
4. Reverse Engg., **Quality Assurance** and Metrology.
5. Familiar with Plastic **Moulding Tools** and **Press Tools.**
6. **CNC** programming and practical in CNC trainer Milling and Lathe.
7. Practical exposure of **CAD/CAM** system for increasing Quality and Productivity.

Electrical aspects,

8. Hands on training of different types of **Relays** and **Contractors** by **Telemacanique,** a swiss based manufacturer of precision equipment.
9. Capable of designing different types circuits for Forward, Reverse, Inching, Jogging operations and Remote control handling of motors.
10. Panel designing and Wiring.
11. Familiar with terminal identification and speed control of both **D.C** and **Induction Motor's.**
12. Designing of **Direct on line, Semi Automatic** and **Complete Automatic Starters** for Induction motors.
13. Hands on training on **A.C Drives** by Siemens, its Installation, Configuration and Parameterization.

Instrumentation and **Control** aspects,

14. Acquaint with the **Sensor** Technology.
15. Familiar with Industrial Controllers and Recorders, their Tuning, Servicing and Calibration.
16. Familiar in **P, PI** and **PID** Controllers in **Process** plant.
17. Hands on training on Siemens **STEP 5** and **STEP 7 PLC,** and Festo **PLC** their Installation, Programming, Troubleshooting and Maintenance.
18. Siemens **SCADA.**
19. Done a course in networking to get familiar with Instrumentation Field Bus such as **Profibus** and **Device Net,** in order to build up **DCS.**
20. Can handle PC based parameter measurement.
21. **Safety** in Instrumentation and hazardous areas.

Programming Skills:

1. Have a fine command over **C Language.**

Software's:

1. Fluid Simulation Pneumatics.
2. Fluid Simulation Hydraulics.
3. Fluid Simulation Mechatronics assistant.
4. MS Office.

Personal Details:
Date of Birth : 06-09-1983
Marital Status : Single

Education:

1. September 2002 – November 2006, Bachelor of Engg. in **Electronics and Instrumentation** from Royal Institute of Technology and Science affiliated to **J.N.T.University.** Subjects of interest are Process Control, Analytical Instrumentation, Laser Instrumentation and Optical Fiber Communication, Industrial Electronics.

Additional Skills:
- ✓ Advance training course for **Programming and Applications by using "ALLEN BRADLEY PLC" (SLC 500 FAMILY)** from ATI-EPI.
- ✓ Advance training course for **SCADA Programming (RS View) and Applications** from ATI-EPI.
- ✓ Advance training course for **Temperature Instrumentation** from ATI-EPI.
- ✓ Advance training course for Programming and Applications by using **"Peripheral Interface Controllers" (PIC) Microcontrollers** from ATI-EPI.
- ✓ Advance training course for **automation using micro plc (Siemens Logo)** from ATI-EPI.

Work Interest : Oil and gas, petrochemical, manufacturing.

Personal Skills:
1. Have strong **Construction Skills** in order to communicate in an effective way with seniors and convey their orders in an understandable way to the subordinates.
2. Have **leadership** qualities to lead a team of young aspirants and making them understand the goal of the company.
3. Young and energetic.

Weakness:
1. **Punctuality** is my greatest weakness, have a habit to be on time.

Declaration

I here by declare that the information furnished above is true, to the best of my knowledge.