

KAMALESH JANA

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Career Objective:

Looking ahead to associate an organization as a senior/lead engineer in control & instrumentation and employ my technical expertise and experience for achieving the organizational goals.

Summary :

- Total 11 years experience as a team player and team lead in electrical, instrument & control system design, program development (PLC/DCS, SCADA, and HMI), commissioning and maintenance in steel, cement, chemical, BMS industry.
- Highly motivated and ability to work in high output environment.
- Ability to balance multiple projects.
- Schedule projects.
- Identify project requirements and prepare project specifications.

Work Experience:

- ❖ Working with **Master Integrators Pvt. Ltd** (Rockwell System House) at Navi Mumbai as a **Lead Engineer**. (Duration: April 2019 – Till Now).
Job Responsibilities:

- Design system architecture of PLC, DCS control systems.
- Guide to draftsman for preparation of drawings like panel GA, power consumption, panel wiring diagram, power distribution diagram.
- Design of control panels & IMCC Panels.
- Client interactions and meetings.
- Material list requisition.
- Ability to communicate with supplier, management/vendors.
- Preparation of project instrument Index, data sheet, loop diagram, cable schedule.
- To manage the procurement and schedules for various projects of the different Customer.
- To ensure that the team follow-ups with supplier & factory for manufacturing status and provide the weekly progress status.
- To plan the coordination of the inspection activity with factory, supplier, customer.
- To support and plan the team members to participate in Factory Acceptance Test (FAT) along with client at factory & obtain inspection release note required to dispatch the material.
- Maintain detailed project files and applicable records in common server.

- ❖ Worked as a **Sr PLC/SCADA Programmer** with **L& T Electrical & Automation-Engineering Consultant** contract at Navi Mumbai. (Duration: July, 2018- March, 2019).

Job Responsibilities: Riyadh Metro Project and Qatar Metro Project (Automation, Engineering)

- Co-ordinate with engineering team to clarify of system architecture design, details engineering.
- Day wise work report to manager.
- Tele call attained with international client for technical clarification.
- Attain internal kickoff meeting.
- Basic engineering of control system.
- Co-ordinate with commissioning team for any clarification.
- PLC/DCS Logic, SCADA development, simulation testing.
- Commissioning Support.

- ❖ Worked as an **Assistant Manager** of Electrical & Automation-CCM with **Electrotherm India limited** at Durgapur. (Duration: October, 2017- July, 2018)

Job Responsibilities:

- Single strand & double strand of Continuous Caster Machine (Billet Caster) commissioned for Secondary Steel production.
- Remote support to resolve breakdown problem & solution & technical problem clarification with client.
- Erection, execution & commissioning of Continuous Casting Machine.
- PLC logic development, modification & testing, commissioned.
- Project / Service lead in East zone (Orissa, West Bengal, Bihar, and Jharkhand, Bangladesh).
- Material requisition as per requirement.
- Flow Transmitter, pressure transmitter, RTD, thermocouple, junction Box, location layout details.

Project:

- ✓ Continuous casting machine (Mitsubishi PLC, Schneider PLC).

- ❖ Worked as an **Assistant Manager** of Instrumentation & Automation department with **Real Time Engineering Pvt. Ltd.** at Kolkata (Rockwell System House).(Duration:May,2011-October,2017).

Job Responsibilities:

- Lead, organize and coordinate the assigned project work during all project phases.
- Design and development of software applications, based on project details (control philosophy, cause& effect diagram) given by customer.
- Preparation of instrument index, data sheet, loop diagram, cable schedule, input/output signal list.
- PLC redundant, IO redundant & network redundant system design.
- Calculation of digital input, digital output, analog input, analog output from P & ID.
- Prepare operation manuals of the system and documentation.
- PLC logic development, scada development, simulation test.
- Execution & commissioning.
- Factory acceptance test with client.
- Support to team member for program development, project execution.
- Maintain all reports, and coordinate documents during execution & commissioning.
- Skill in design starters for AC motors Such as DOL, RDOL and star delta starter, power and control circuit diagram.
- Skill in communication network like control net schedule, ethernet- device level ring, star network. device-net schedule,modbus TCP/IP,modbus RTU.
- Cable tray,motor control centre (MCC) and field instruments location layout design.
- Prepare work schedules, manpower mobilize and attend internal & external kick off meetings.
- Installation,maintenance,calibration and commissioned of field instruments such as flow, level, pressure, temperature transmitters (Emerson, Honeywell makes), indicating instruments, control valves, pressure gauge, temperature gauges, proximity switch and Encoders.
- Experience in PLC's such as Rockwell, Siemens, Schneider, Mitsubishi.AC drives (Rockwell, Mitsubishi).
- Check about project information of vendor's documents, drawings and equipment manuals.
- Knowledge of hookup drawings, loop drawings, junction box termination drawings.
- Ensure that the concern team / project engineer visit the site to ensure the actual installation in line with the technical documents/drawings.
- BOM preparation.

Projects (Major):

- Slitting & Trimming Process (Indonesia- PT.Gunung-Garuda).(Siemens Platform).
- Project co-ordinate in Rail Welding Line System at Bhilai Steel Plant(**Level 2** & level 1 automation).(**RAILTECH INTERNATIONALTECHNOLOGY**) at Bhilai Steel Plant-SAIL (Schneider Platform).
- Austenizing Furnace & Tempering Furnace (Rourkela Steel Plant -SAIL).(**CAN INTERNATIONAL TECHNOGY**)(Rockwell Platform).
- Pump House Cooling External Water system for Bloom Cum Round Caster(Durgapur Steel Plant-SAIL) (Siemens Platform).
- Retrofitting of Roughing Mill (**Indonesia- PT.Gunung-Garuda**).(Rockwell Platform).
- Pump House Cooling Water system for Laddle Furnace (Durgapur Steel Plant-SAIL) (Schneider Platform).
- Seal Quench Furnace (Chennai, SFL).(Rockwell Platform).
- Pump House Cooling Water System for Reheating Furnace (Durgapur Steel Plant-SAIL)(Rockwell Platform).
- Revamping Machine No.1 (Bokaro Steel Plant-SAIL)(Rockwell Platform)
- Cast house Slag Granulation Plant 6 (Bokaro Steel Plant-SAIL) (Schneider Platform).
- Cast house Slag Granulation Plant 3 (Bokaro Steel Plant-SAIL).Schneider Platform).
- Reverse Air Bag House System (Hetauda Cement Industries Limited) (Nepal)(Rockwell Platform).
- Nitro-Glycerine Plant (Indian Ordnance Factory- Itarsi,MP)-(**BIAZZI-SA TECHNOLOGY**)(Rockwell Platform).
- Pump House Cooling Water System for Blast Furnace1(Vizag Steel Plant)(Schneider Platform).
- Gas Boosting & Mxing (Asansol-IISCO)(Rockwell Platform).
- Reheating Furnace (**ANDRIZ METALTECHNOLOGY**) (Asansol-IISCO).(Rockwell Platform).
- Gas Boosting & Mixing (TATA Steel Kalinganagar)(Rockwell Platform).

- ❖ Worked as a **Maintenance Engineer** (Electrical Department) with Century extrusions Limited (Aluminum Extrusion Plant) at Kharagpur, West Bengal.(Duration: November,2010 - April,2011).

Job Responsibilities:

- Responsible to preventive, corrective and shutdown maintenance activities. Reporting to technical manager.
- Involved in testing, maintenance and calibration of field instruments.
- Monitoring instrument control panel and taking necessary action upon generated status reports of controllers and recorders.
- Maintain minimum breakdown for continuous equipment maintenance. Report to manager.

- ❖ Worked as a **Graduate Engineer Trainee** (Instrumentation & electrical) with Allied Resins & Chemicals Limited (Chemical Plant), Kolkata (WB).(Duration: April,2008 - March,2009).

Job Responsibilities:

- Installation and commissioning of variable frequency drives, differential flow meters, magnetic flow meter, pressure transmitters, level transmitters, resistance temperature detector, thermocouples, control valve ,level switch , differential pressure switch.
- Predictive maintenance, corrective maintenance, schedule maintenance etc.

Professional Training:

- ❖ Basic Course Of Automation Technology in Green Wave Solution Pvt Ltd (WEBEL ACA) at Kolkata ,West Bengal .(Duration: May,2009 - August,2010)
Training with project:
 - Rockwell PLC hardware, panel testing, logic preparation, simulation test.
 - Rockwell, Scada ,HMI development with Factory Talk View
 - Siemens PLC hardware, panel testing, logic preparation, simulation test.
 - Siemens, Scada ,HMI development with Wincc ,Wincc Flexible
 - Conveyor system project development with both systems.
 - Plant Visited for process plant (Coco Cola factory at taratala).

Technical Skills:

- Software Tools :
Rockwell : PlantPax, Studio5000, Rslogix5000, RSLogix500, FTview SE/ME, Application Code Manager, Sql Server.
Siemens : Simatic Manager, Totally Integrated Automation Portal (v13, v14), WinCC.
Schneider : Unity pro-XI (V6.0, v7.0, v8.0), VijeoCitech (Scada), Vijeo Designer(HMI).
- Hardware Modules:
Rockwell : **ControlLogix Controller, Redundant Module, Communication Module:** 1756-L7X, 1756-L6X, and 1756-RM2, 1756-RM, EN2TR, EN2T, ENBT, CN2R, CNBR, CNB, AENTR, AENT, 1756- Control Logix I/Os, 1715-Redundant I/Os, 1794-FlexI/Os, 1734-Point I/Os, 1769-Compact I/Os.
Compact logix controller: 1768-L43, L33ER, 1769-L24ERQB1B, SoftStarter, Powerflex AC Drive. Micro logic 1400, Micrologic1500, SLC 5/03, SLC 5/04.
Siemens : CPU 414 5H PN/DP, CPU-1500, CP 443-1, ET 200M-IM-153-2.
Schneider : Quantum PLC-140-CPU-661-01, 140-NOE-771-01, 140-CRP-93X-00.
- Communication Protocol:
Rockwell (Ethernet-DLR, Control net, Device net, ModBus).
Siemens (Profibus, profinet, Modbus).
Schneider (Modnet), Modbus TCP/IP, Modbus RTU
- Knowledge of Auto Cad, MS office 2010, 2007.

Academic Profile:

- Master of Business Administration in Project Management from Sikim Manipal University in 2017.
- Bachelor of .Engineering (B.TECH) in Electronics & Communication Engineering from College of Engineering & Management, Kolaghat(West Bengal University of Technology)in 2007 with 7.62 grade marks.
- Higher Secondary education from Shyampur High School of WBHSE with 66.3% marks in 2002.
- Secondary Education from Shrikole High School of WBBSE with 74.0% marks in 2000.

Achievement:

- Worked on special projects.
- Ideas or innovations introduced.
- Work on multiple platforms.
- Problems identified and solved capability.

Personal Details:

- Permanent Address : Vill. + PO- Kotra, PS- Shyampur, Howrah-711301, West Bengal, India, Home:+919732578438
- Father's Name : Ajit Kumar Jana
- Religion : Hindu
- Preferred location : Anywhere in India
- Nationality : Indian
- Passport No : L4603862,
- Country Of Origin : India
- Date Of Issue : 05/09/2013
- Date of Expiry : 04/09/2023
- Date of Birth : 24th January, 1985
- Marital Status : Married
- Sex : Male
- Languages Known : English, Bengali & Hindi
- Hobbies : Group discussion and listening music, etc.

Signature & Date.....

Place: Navi Mumbai (India)