Sandipan Chowdhury

ELECTRONICS & INSTRUMENTATION ENGINEER |

CURRICULAM VITAE

*Being a Commissioning Engineer working in the field of Automation and Instrumentation for last more than 8years, I am looking for a challenging position in Industrial automation & control or Field Instrumentation area that utilizes my skills and abilities while providing a congenial environment for professional and personal growth.*

**Abstract**

❖ Field service engineer and support team in commissioning and techno-commercial issues.

❖ Co-Ordinate with Clients/End Users for freezes the specifications and facilitates Approvals.

❖ Focus on site closure within estimated budget through proper tacking by standardized reports.

❖ Process and handle customer inquiries and software authorizations.

❖ PLC, RTU, HMI/SCADA software development.

❖ Preparation of Design Documents

❖ Design of PLC configuration

❖ Panel Engineering (Design and Testing)

❖ Pre-Sales Support

❖ Installation and Testing at Factory and Site

❖ AMC Services

❖ Lead and execute loop check and commissioning phase performing the functional tests.

❖ Maintain site software Backups, MOMs, Customer Feedbacks and Reports of Respective Sites.

❖ Testing, Commissioning and site support for technical and material requirement at site.

❖ Commissioning of Field instruments and services.

❖ worked on Coal handling Plant, Water Treatment Plant, Oxygen Plant, Building Automation, and Ash Handling System, building management systems, HVAC, Substation automation, environmental control systems and tunnel ventilation system.

**Academic Qualification:**

1. **Bachelor of Technology** – **Electronics & Instrumentation Engineering** from **West Bengal**

**University and Technology** (with 1st Class 75%), May 2012.

1. **Higher Secondary (12th)** from **WBCHSE** in 2008 (with 1st Class 69%).
2. **Secondary (10th)** from **WBBSE** in 2006 (with 1st Class 70%)

**Training:**

1. Industrial training on automation in Rockwell Automation platform at **DURGAPUR STEEL PLANT (SAIL)**

**Employment History:**

1. Company Name: **Incotech Engineers Private Limited**

Designation: Project Engineer (Instrumentation & Control)

Location: Kolkata, India

Date of Joining: June 2012

Date of leaving: November 2014

1. Company Name: **GE Intelligent Platform system integrator**

Designation: Project Engineer (Control & Automation)

Location: New Delhi, India

Date of Joining: December 2014

Date of leaving: April 2018

1. Company Name: **Aver Solution FZE**

Designation: Sr. Project Engineer (Automation)

Location: Mumbai, India

Date of Joining: May 2018

Date of leaving: November 2018

1. Company Name: **Subhasree Projects Private Limited**

Designation: Project Manager (SCADA)

Location: Kolkata, India

Date of Joining: December 2018

Date of leaving: Current Job

**Skill Set**

1. **Controller:** PLC Configuration GE Versamax, 90-30, PAC RX3i, RX7i, S7-1200/1500 series.
2. **HMI/SCADA :** Development of SCADA (Cimplicity), PAC Workbench
3. **Automation Software**: Proficy Machine Edition, MOST Workbench, Versapro
4. **Communication Protocol:** Modbus, deviceNET, bacNET, IEC61850, IEC 104, OPC, OPC UA.
5. **Field Instruments:** RTD, Temperature sensors, motorized valves, solenoid valves, photocell, PID controller, Inductive proximity switches, pressure switch, electromagnetic Flow meters, Ultrasonic flowmeters, Ultrasonic Level transmitter, Vibration Detectors, CO2 sensors, level sensors, pull cord switch, Modulated valves and Data Encoder, Zero speed switches. Pressure Transmitters, level Transmitters, Flow Transmitters, etc.
6. AC Drives commissioning
7. **Operating System:** Windows XP, Vista, Windows 2007,2008,2010 Widows Server 2003, 2008, 2016.
8. **Documentation:** Design of PLC configuration, Preparation of Bill of Material, I/O List, project scheduling, project management, etc.
9. Panel Engineering: PLC Panel Design, Control panel design, support in Inspection, Testing and Commissioning, FAT, SAT, ITP, etc.
10. AMC Services: Proper scheme for maintenance and Service for End Users.
11. Pre Sales Support: Preparation of Project Costing and project scheme along with proper product identification.

**Details of Major Project Handled with period:**

1. **30 MW Power Plant Extension (Coal Handling Plant), Korba**

Role: Project Engineer

Client: ACB India Ltd

Hardware: GE RX3i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 7.5, Cimplicity 8.2

This is an extension part of coal transfer process from hoppers to coal bunker through the UBM feeders, conveyors, crushers and flip flop screen.

1. **Water Treatment Plant (Clear water and Raw Water)**

Role: Project Engineer

Client: PETRON CIVIL ENGINEERING LIMITED

End User: PHED

Hardware: GE 90-30i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 6.5, Cimplicity 8.0

Processed water fed the district of murshidabad, India

1. **Oxygen Plant**

Role: Project In charge

Client: Linde/BOC

End User: Bhusan Steel, Dhenkanal Orissa

Erection, commissioning and installation job of instrument

1. **Water Treatment Plant (Clear water and Raw Water)**

Role: Project Engineer

Client: Voltas India Limited

End User: TATA STEEL

Hardware: GE 90-30i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 6.5, Cimplicity 8.0

1. **HVAC System (Tripura ONGC)**

Role: Project Engineer

Client: Voltas India Limited

End User: ONGC Tripura Power corporation

Hardware: GE Rx3i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 7.5, Cimplicity 8.0

1. **Coal Handling Project in NTPC, Assam**

Role: Field service Engineer

Client: M/s Syntel Energies

End User: NTPC

Hardware: GE Rx3i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 5.9, Cimplicity 8.0

AC drives of ABB make has been commissioned by me during commissioning of the automation system.

1. **RAW WATER PUMP HOUSE ,BOKARO**

Role: Project Engineer and developer

Client: M/s Electrosteel steel limited

Hardware: GE Rx3i Redundant PLC with Versamax IOs

Software: Proficy Machine Edition 7.5, Cimplicity 8.0

Water intake from nearby damodar river and supply it to steel plant so major job was automation of intake pump house and transmission line monitoring.

1. **AMBUJA CEMENT PLANT, Dhulagarh (Kolkata)**

Role: Project Engineer and project coordinator

Client: M/s Ambuja

Shutdown & Maintenance planning for a whole plant instrumentation and automation shutdown for duration of 60days. We have to regularly track their execution of our plan and have to check logic and graphics and instruments calibration.

1. **DMRC BMS PROJECT**

Role: Project engineer

Client: M/s SAMSUNG C&T

End user: DMRC

Locations: JANPATH, MANDI HOUSE, ITO, DELHI GATE, JAMA MASJID, LALQUILA,KASHMIRI GATE, AZADPUR, SHALIMARBAGH,NETAJI SUBHAS PLACE,NARAINA METRO STATIONS Turnkey base project where there are two systems for BMS.

ECS SYSTEM: Environmental Control System by controlling the energy consumption whole air been conditioned at station level as well as concourse level of the metro station. For this system we use RX3i controller of GEIP. All the logic and graphics development had been done at station.

TVS SYSTEM: Tunnel Ventilation system

ENERGY MANAGEMENT SYSTEM.

1. **BULK WATER MANAGEMENT SYSTEM**

Role: Project Manager

Client: PHED

End user: HIDCO

Water management for the total distribution are of New Town Kolkata from the overhead reservoirs to the household connection for total water accountability and water loss management.

1. **WATER SCHEME AUTOMATION-I**

Role: Project Consultant

Client: EESL

End user: Urban local bodies (Municipal Corporations)

Water management scheme in the field of Automation for the total distribution area of different ULBS in West Bengal from the overhead reservoirs to the ground water distribution pumping stations for total water accountability, water loss management and remote operation.

1. **WATER SCHEME AUTOMATION-II**

Role: Project Consultant

Client: WBPHED

End user: WBPHED

Modification and upgradation of Mangal Pandey water supply scheme for restoration of Automation system.

**Additional Informative data**:

**Name:** Sandipan Chowdhury

**Address:** 13, Baikuntha Saha road Jadavpur sontoshpur

Kolkata, West Bengal, India

Pin: 700075

**E-mail:** chowdhurysandy0@gmail.com

**Primary Mobile:** +91-9831291143

**Secondary Mobile:** +91-9654637410

**Language:** English (UK), Bengali, Hindi

**Nationality & Passport No:** Indian and L5340261

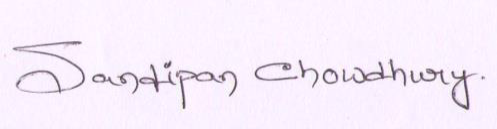
**Total Experience:** 8years and 8 months.

**Date of Birth:** 10th August 1990

**Declaration:**

The above statements are true to the best of my knowledge and belief.

“I hereby agree for my personal data, included in my job application, to be processed in line with the needs of recruitment, in accordance with the Law on Personal Data Protection of 29th August 1997 (Law Gazette from 2002, No.101, heading 926, as amended).”



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Place: Kolkata, India Sandipan Chowdhury