

Curriculum vitae

Industrial Automation Engineer

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Birth Date:	05/01/1990
Nationality:	Indian
Marital Status:	Single
Qualification:	B.Tech in Electronics engineering
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Experience Summary

CMI Industry Automation Pvt. Ltd. (CMI Groupe, Belgium) Mumbai, India

Duration: April 2013 – till date

Presently working as Manager Automation (Application Software Development, Engineering and Commissioning) and currently deputed to Mumbai Office. Industrial experience in Software Development, and Commissioning of Automation Systems using Siemens, ABB and Allen Bradley products.

Working on projects of top companies like Michelin Tyres , Al Ghurair Iron & Steel (Abu Dhabi), KDS, (Bangladesh), BHUSHAN Steel, Jindal Steel Hoa Sen (Vietnam), PHP (Bangladesh),SRM (Kenya).

Technical Expertise:

- Siemens STEP7, Compact control builder and Rockwell Studio 5000 Programming.
- Industrial automation requirements planning.

- PLC ladder logic, FBD & STL programming, PLC to PLC networking & troubleshooting and also communication with HMI and third party devices.
- Handling process instrumentation Proximity sensors, Pressure/Flow/Level/Temperature transmitters & Encoders.
- Successful Communication and commissioning with third party equipment's like Edge Guide Systems(EMG), Center Guide Systems(CPC)
- Complete commissioning involving of PLC and SCADA for steel plants.
- Analyze the Field electrical schematics, modify circuits.
- Hands on commissioning of various field sensors & Controllers.
- Commissioning AC Drives (S120): Siemens.
- Hardware Engineering- Making Cable Schedule, PLC Panel/ IO Design, Selection of Components, Making Automation Configuration.
- Formulating and calculation sheets
- Inspection of MCC, Main PLC & RIO Panels, CD, CP, PB stations.

Skills:

PLC/ PLC Software's	<ul style="list-style-type: none"> • Siemens S7-300/400 • Siemens Step 7 v5.5 sp3 • Rockwell Studio 5000 v 21.03 • Siemens Starter • Siemens V Assistant • Compact Control Builder
SCADA / HMI	<ul style="list-style-type: none"> • Siemens WinCC explorer v7.3 • Siemens WinCC Flexible 2008 • Factory talk view site edition • Factory talk view machine edition • C HMI
Protocols	<ul style="list-style-type: none"> • Profibus DP • PPI / MPI • Ethernet • Control net
Tools/Utilities	<ul style="list-style-type: none"> • Siemens Sizer • Microsoft Visio • Siemens Starter

	<ul style="list-style-type: none"> • ST profibus tool for Rockwell system • IBA recorder • I tools engineering studio for heater control
Others	<ul style="list-style-type: none"> • LAD,STL,FBD • Windows XP/7,Server 2008 R2
Trainings	<ul style="list-style-type: none"> • Siemens PLC and Software • Rockwell PLC and Software

Project Details:

Project Name	AL GHURIAR IRON & STEEL LTD, ABUDHABI
Scope	Development Programming & Commissioning
Project Description	Engineering and Commissioning of CGL
Project Highlights	<ul style="list-style-type: none"> • Siemens Step 7 • Siemens WinCC • Siemens CPU 414-3PN/DP(Line) and CPU 414-2/DP(furnace) • 10500 I/O, 74 S120 Drives, 11 G120 Drives
Responsibilities	<ul style="list-style-type: none"> • Auxiliary logic developed and single function test of various mechanical equipment's such as belt wrapper, hydraulic power packs, shear operation • Individual and group jog. • IO testing of line and furnace section. • Commissioning at site.

Project Name	KDS, Bangladesh
Scope	Development, Programming & Commissioning
Project Description	Engineering and Commissioning of Continuous Galvanizing Line (CGL)

Project Highlights	<ul style="list-style-type: none"> • Rockwell Studio 5000 • Rockwell Factory talk view for machine and site edition. • Rockwell CPU 1756-L74(Line) and CPU 1756-L74 (Furnace) • Green field Job • Completed commissioning before schedule and handed over for production. • Furnace commissioning with accurate firing in various zones of furnace. • IBA recorder interfacing for better tuning and troubleshooting. • 4000 I/O, 40 P755 Drives, 23 P753 Drives
Responsibilities	<ul style="list-style-type: none"> • Developed complete PLC software for furnace section, third party device communication, PLC to PLC communication on Ethernet, PLC and SCADA interfacing, PID tuning, temperature control for various zones, furnace pressure control, equipment control in auto/manual mode for various utility system in plant • Compete equipment checking. • Commissioning at site.

Project Name	Michelin Tyres, Chennai
Scope	Automation and Electrical Support Commissioning
Project Description	Total automation and electrical Support Commissioning of tyre Plant.
Project Highlights	<ul style="list-style-type: none"> • Allen Bradley PLC • Factory Talk View
Responsibilities	<ul style="list-style-type: none"> • IO checking • Worked as HOM Section Automation Support and Electrical in charge. • Wire to wire checking, cable laying, complete equipment checking.

Project Name	APOLLO TYRES PRIVATE LIMITED
Scope	Development Programming
Project Description	Engineering and commissioning
Project Highlights	<ul style="list-style-type: none"> • S5 to S7 conversion. • Development of HMI.
Responsibilities	<ul style="list-style-type: none"> • Complete electrical panel engineering and manufacturing. • Software development. • Commissioning at site.

Project Name	HOA SEN VIETNAM
Scope	Development Programming
Project Description	Engineering and commissioning
Project Highlights	<ul style="list-style-type: none"> • Development of PLC software for Air knife, snout, and APC control. • Development of HMI.
Responsibilities	<ul style="list-style-type: none"> • Complete electrical panel engineering and manufacturing. • Heater Panels. • Software development for PLC and HMI. • Commissioning at site.

Project Name	PHP BANGALADESH
Scope	Project Management, Hardware Engineering, Software Development of Pickling Line, Rewinding Line and Rewinding with TLL
Project Description	Engineering and commissioning

Project Highlights	<ul style="list-style-type: none"> • Development of PLC software on ABB software Compact Control Builder AC 800M for the entire processing line. • Development of HMI. • Hardware engineering such as MCC load calculation, transformer Calculation, cable schedule, heat load calculation, electrical drawings.
Responsibilities	<ul style="list-style-type: none"> • Project Management. • Complete electrical panel engineering and manufacturing. • Software development. • Commissioning at site.

Project Name	CORRUGATED STEEL LIMITED KENYA(CURRENT PROJECT)
Scope	Project Management, Hardware Engineering, Software Development of Furnace, Wet flux to CGL revamp.
Project Description	Engineering and commissioning
Project Highlights	<ul style="list-style-type: none"> • Development of PLC software on Step 7 for the Furnace section. • Development of HMI. • Vendor coordination for various technical enquiries. • Hardware engineering such as MCC load calculation, transformer Calculation, cable schedule, heat load calculation, electrical drawings.
Responsibilities	<ul style="list-style-type: none"> • Complete electrical panel engineering and manufacturing. • Heater Panels. • Software development for PLC and HMI. • Commissioning at site.

Educational Qualifications

- B.Tech. with specialization in Electronics engineering, Azad Institute of Technology, Lucknow. Uttar Pradesh Technical university—**with 69%**
- H.S.C. from C.B.S.E **with 73%**
- S.S.C. from C.B.S.E **with 77%**

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

Abis Raza