

# RESUME

**RACHAPALLI SAGAR**

Nationality : Indian

D.O.B : 13<sup>th</sup> Dec 1995.

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## Career Objective :

Seeking a challenging position requiring demonstrated skills in organizing, development and execution, thus utilizing interpersonal skills with my experience, educational qualifications and technical knowledge.

## Experience : 3.9 YEARS IN PROGRAMING & PROJECT COMMISSIONING.

**Wondersys Automation,Bangalore:** Working as Industrial Senior Project engineer at Wondersys Automation Pvt Ltd, from **Feb 16<sup>th</sup> 2022 to still date.**

Wondersys Automation, Kundanahalli, a Bangalore based Automation and all industrial services, provides automation solutions for IOCL,BPCL,Sri Cements, PLC programming, SCADA, HMI Designing, Development and Commissioning.

**Polmon Instruments Pvt Ltd, Hyderabad:** Working as Industrial Automation engineer at Polmon Instruments Pvt Ltd, from **July 29<sup>th</sup> 2019 to January 31<sup>st</sup> 2023.**

Polmon Instruments Pvt Ltd, Nizampet, a Hyderabad based Automation and all industrial services, provides automation solutions for Pharamaceutical Industries, PLC programming, SCADA, HMI Designing, Development and Commissioning.

## Academics :

- Bachelor's Degree (Electronics and Instrumentation Engineering) from VNR Vignana Jyothi Institute of Engineering & technology, J NT U H, Hyderabad in 2017- First Class.
- Diploma ( Applied Electronics and Instrumentation Engineering) from Govt. polytechnic, SBTET Bellampalli in 2014 - First class.
- Schooling (SSC) from Singareni high School, Mandamarri, State Board of Secondary Education, AndhraPradesh in 2011– First Class with Distinction.

## SKILLS:

**PLC'S** :Schneider (M580, M340,TM241 Controller,)

**PLC APPLICATIONS :** Unity Pro XL V11, Unity Pro XL V13,Control Expert V14.1,Somachine V4.0.

**SCADA/HMI** : Vijeo Citect V7.4&7.5,Citect Scada 2016, Plant scada 2020R2, Wonderware 2020 ,PI studio V5.2(HMI),Spluswin V6.1(HMI),&VijeoDesigner V6.2.

**Interfaces/Protocols** : Modbus (TCP/IP & Serial), Profinet.

**Other tools** : Modscan, Modbus Master, sql, visual studio.

**Computer applications :** MS Excel, MS power point, MS Word.

## Roles and Responsibilities:

- Development, Installation & Commissioning of Schneider Electric PLC, SCADA, HMI Applications.
- Testing of PLC panels, Good knowledge in PLC panel wiring & field instruments with PLC.
- Collect and Understanding customer design inputs such as P&ID, IO list, Control philosophy documents.
- Execution of Qualifications like IQ, OQ and preparation of qualification documents.
- Study of wiring diagram.
- Development/Modification of documents like BOM, IO list, Wiring schedules as per customer standard.
- Field instruments Devices with its termination Knowledge like Temperature Transmitters, Pressure Transmitters, Differential pressure transmitters, Flow switches, flow meters, VFD.
- Good knowledge of Modbus serial and Modbus TCP/IP.
- Worked on Various Polmon make Skids are SFHTS (Single Fluid Heat Transfer System) and MPS (Multiple Skids) for controlling the Reactor temperature.

## Job/Projects Experience:

**\*Project Name : Solvent Dispensing System** (The dispensing is based on flow base or level base with interlocks. Here different kinds of tank were automated like single source and multiple destinations, 2 sources and multiple destinations, 3 sources and multiple destinations and 4 sources and multiple destinations.)

Client : M/s Mylan Laboratories Pvt. Ltd unit-07, (Hyderabad)

Environment : Schneider Unity Pro XL 11.1, SCADA: Vijeo Citect 7.5 &PI Studio V5.2(HMI1010)

Description : Software Installations, Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development in existing Backup as per new philosophy, Executing the project, taking trails and troubleshooting Performing the IQ and OQ documents qualification.

**\*Project Name :Hydrogenation process automation**( Temperature controlling & monitoring with each reactor, Pressure leak test with N2,presure control, Hydrogenation addition & Venting, sampling)

Client : M/s. Zydus Cadila Ltd, Unit-2, (Ankleshwar).

Environment : Unity Pro XL 13.1, SCADA: Wonder ware 2017 upadate3, SQL and Visual Studio 2017.

Description :Software installations ,Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development as per new philosophy, Reports configuration and SQL linking, Executing the project, taking trails and troubleshooting, Performing the IQ and OQ documents qualification.

**\*Project Name : Reactor Utility Automation**( Temperature controlling and monitoring of each reactor. Pressure control, Reactor Utility Automation is used for the changeover of different utilities like ,Chilled Brine, Chilled Water, Cooling Tower Water, Hot Water and Steam. This prevents the cross contamination of utilities both in manual and auto mode.)

Client : M/s. Zydus Cadila Ltd, Unit-1, (Ankleshwar).

Environment : Unity Pro XL 13.1, SCADA: Wonder ware 2020. SQL and Visual Studio 2017.

Description :Software installations, Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development as per new philosophy, Reports configuration and SQL linking ,Executing the project, taking trails and troubleshooting, Performing the IQ and OQ documents qualification.

**\*Project Name : Solvent Recovery System (SRS)** ( Extraction System is used for Solvent Recovery of Acetic Acid. This includes Solvent Dispensing, Solvent Recovery and Column Automation are Product Control, Temperature Control)

Client : M/s Mylan Laboratories Pvt. Ltd unit-10, (Visakapatnam).

Environment : Control Expert 14.1, SCADA: Plant Scada 2020 R2.

Description : Software installations, Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development as per new philosophy, Executing the project, taking trails and troubleshooting, Performing the IQ and OQ documents qualification.

**\*Project Name : Layer Separation System**(The layer separation is based on density with interlocks, Based on density Aqua layer and organic layer will be separated.)

Client : M/s Piramal Pharma Ltd,(digwal, Sangareddy),

Environment : Unity Pro XL 13.1, Spluswin V6.1( R-Stahl HMI).

Description : Software installations, Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development as per new philosophy, Executing the project, taking trails and troubleshooting ,Performing the IQ and OQ documents qualification.

**\*Project Name : IOCL pipelining** (The dispensing is based on flow base or level base, Density base with interlocks)

Client : M/s Indain Oil Corporation ltd ,(Mathura Refinery, Uttar Pradesh),

Environment : Unity Pro XL 14.1,Aveva Plant Scada 2020 R2.

Description : Software installations, Panel Testing, Cold loop /hot loop checking, initial configuration in Unity pro XL and making PLC online, Design the Screens in Scada as per P&ID, PLC Logic development as per new philosophy, Executing the project, taking trails and troubleshooting ,Performing the IQ and OQ documents qualification.

### Certification and Achievements:

- Certified in POST GRADUATE DIPLOMA IN INDUSTRIAL AUTOMATION from SMEC automation with hands on practical experience in industrial automation tools specializing in PLC, SCADA, HMI, DCS & VFD.
- Certified in PLC&SCADA overview conducted by the technical school of Yokogawa India Ltd.
- Certified in CLAD training conducted by vnrvjiet.
- Certified in Design, Development and Application of Advanced Robotics training conducted by jay Robotix Pvt Ltd.

### Summary of skills:

- Team management and working in teams.
- Logical and critical thinking, ability to solve the problem quickly and efficiently and management ability.
- Good communication skill to deliver, present learning effectively and Time productive.

### Personal Details:

Father's name : Saraiah.

Mother's name : Laxmi.

Hobbies : Surfing internet,playing mobile games & listening to music.

Languages Known : Telugu, Hindi & English.

Address : H.No:68-37 1<sup>st</sup> zone, near kk-1 dispensary,Mandamarri market, mancherial, Telangana-504231.

Date;

Place : Hyderabad

(RACHAPALLI SAGAR)