



Samanna Rajapuram

Asst. Manager- Life Business
(SME-Process Automation)

PROFILE SUMMARY

A highly skilled Chemical Engineering graduate from AP IIIT, offering over a decade of accomplished expertise in Process Excellence and Process Automation within the API manufacturing sector. Proven proficiency in Hazop Study, equipment mapping, debottlenecking, and ensuring safe handling of unit operations. Experienced in key areas such as incident control, CAPA design, energy savings, and audit compliances. Adept at risk assessment, concept design, URS preparation, and safety interlocks. Demonstrated capabilities in project planning, vendor evaluation, and comprehensive validation document preparation. Known for outstanding contributions in process automation with leading providers such as Yokogawa, Rockwell SI, and Schneider SI.

EDUCATION

2015 B.Tech/B.E.
Indian Institute of Information Technology (AP IIIT, RGUKT RK Valley), Idupulapaya

WORK EXPERIENCE

Feb 2024 - Present Asst. Manager- Life Business (SME-Process Automation)
M/s. Yokogawa India Limited, Hyderabad.

- Engaged with Pharma Technocrats and Process Consultants to demonstrate the impact of process automation on quality, yield, incident identification, control, and compliance with audit points/observations.
- Assisted in preparing User Requirement Specifications (URS) inclusive of Critical Process Parameters (CPP), safety interlocks, and control philosophy, leading to effective Capex preparation and timely budget approval.
- Designed and proposed cost-effective and reliable process automation solutions.

PERSONAL INFORMATION

✉ Email
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📞 Mobile
(+91) 8688242761

📅 Total work experience
10 Years 0 Month

KEY SKILLS

- Process Engineering
- Process Improvement
- Process Automation
- Concept Design
- Project Engineering
- Project Management
- Vendor Development

OTHER PERSONAL DETAILS

City Hyderabad
Country INDIA

LANGUAGES

- Telugu
- English
- Hindi
- Gujarati

Aug 2022 - Feb 2024

Manager-Technical Services-Process Automation

M/s.ICS (Instrumentation and Control Solutions, Rockwell System Integrator),Hyderabad

- Conducted energy and material balance along with utility calculations to optimize operational efficiency.
- Implemented incident control measures and executed Corrective and Preventive Actions (CAPA) through automation, reducing incident response time.
- Led process improvement initiatives resulting in significant energy savings and ensuring consistent yield and quality.
- Ensured operational excellence and adherence to Good Manufacturing Practice (GMP) compliances.
- Designed and commissioned Single Fluid Skid systems for critical processes, optimizing operational productivity and safety.
- Spearheaded end-to-end project management, including detailed engineering with a focus on Return on Investment (ROI), User Requirement Specification (URS) development, and safety interlocks design, resulting reduction in project timelines.
- Evaluated vendors, conducted techno-commercial comparisons, prepared Capex, and negotiated contracts, leading to cost savings on projects.
- Managed Factory Acceptance Testing (FAT), project deliverables, and approval processes, ensuring seamless project execution and validation.
- Applied hands-on experience in the design and commissioning of PLC, DCS, SCADA, HMI, and CSV systems in compliance with 21CFR regulations, ensuring regulatory compliance and operational efficiency.

Jun 2019 - Aug 2022

Sr.Executive-Process Excellence

M/s. Alembic Pharmaceuticals Limited (API Division), Gujarat

- ??? Conducted energy and material balance as well as utility load calculations.
- ??? Managed process maintenance to ensure smooth running of unit operations.
- ??? Identified opportunities for automation implementation to improve efficiency.
- ??? Managed vendors and coordinated project activities including:
 - Preparation of URS, P&ID and IPDS
 - Design and data sheet preparation for various process equipment
 - Conducted technical comparisons and prepared Capex
 - Managed purchase activities and coordinated FAT & SAT as per PO
 - Coordinated with cross-functional teams to ensure GMP guideline compliance
 - Oversaw erection and commissioning of systems
- ??? Demonstrated expertise in PLC, SCADA, 21CFR compliance, validation, instrumentation and electrical systems.

May 2015 - May 2019

Application Engineer- Pharma Process Automation

M/s.Polmon Instruments PVT.LTD.(Schneider System Integrator), Hyderabad & Gujarat

Process Engineer, preparing P&IDs, Control Philosophy and safety interlocks for unit operations. Generating automation BOQ

Projects

6 Months

Hydrogenation and Layer Separation System

6 Months

Solvent Dispensing System & Solvent Recovery System

6 Months

Reactor Temperature & Utility Automation and Utility Monitoring System

6 Months

Single Fluid Heat & Cooling System and Hot water System

6 Months

EMS & BMS