

Resume

Venkatesh Rajagopal

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Career Objective:

To apply my considerable knowledge and experience in my field of specialization to the tasks assigned to me and achieve results for my prospective employer.

Work Experience:

Company	Position	Sector	Experience
Emerson Automation Solutions - GEC Noida	Senior Engineer	Project & Service (Retrofit) – NORTH USA	Feb 2022 - Till
Infercon Automation Pvt Ltd	Control System Engineer	Control System Engineer	April 2021 - Feb 2022
Texcello Automation solutions Pvt Ltd	Sr. Automation Engineer	Sr. Automation Engineer (DCS, PLC, SCADA, HMI)	June 2020 – April 2021
EXCEL Automation Solutions - Chennai-India	Sr. Automation Engineer	Automation Engineer (PLC, SCADA, HMI)	June 2016 – April 2020

Academic profile:

S. No	Course	University	Period
01	HSS	Start Board	2012
02	Bachelor of Mechanical Engineering	Anna University, Chennai	2016

Project Experience:

S. No	Project Details	System	Company, Location
01	FRONTIER STATION-OKLAHOMA GAS AND ELECTRIC	Ovation DCS	Oklahoma City, USA
02	Value Added Plant, New brownfield project	DeltaV DCS v13.3	ONGC, TN, India
03	New Project scope of works at "RO&DM plant "	DeltaV DCS v12.3	BORL site, BINA (MP), India.
04	Polymerization, Spinning and Dipping of Nylon 6,6	DeltaV DCS v12.3	Sri Ram Fibres Limited, Chennai
05	Modification - FSO UOTE1 iFIX SCADA System – China	KONGSBERG DCS SCADA: iFIX SCADA	OMNI OFFSHORE TERMINAL PTE LTD - Singapore
06	Residential Solar System(stand alone and hybrid)	Siemens S7-400 PLC, Simatic manager	Transcend Solar System and Solutions, Chennai.
07	"Sodium Bichromate" plant on Vishnu Chemicals	DeltaV DCS v13.3	AP, Vishakhapatnam, India.
08	HPCL, Visakh Refinery, Clean Fuel Project.	DeltaV DCS V12.3	AP, Vishakhapatnam, India.
09	Polifiber plant , Migration project	RS3 to DeltaV DCS V13.3	Grasim Harihar, Karnataka, India.

Software knowledge:

- EMERSON Ovation DCS
- Emerson DeltaV DCS (v12.3, v13.3 and 14.3)
- Honeywell EPKS C300 DCS (Configuration Studio v4.0)
- ABB 800xA Control Builder v5.1
- Siemens PCS7 v8.0
- RS Logix 5000, Studio 5000, RS Links 500
- Siemens TIA Portal, Siemens Step 7 - Simatic Manager v5.5
- SCADA (Intouch Wonderware, iFix, WinCC , Citect)

IO & Communication Module Knowledge:

- Conventional IO's, Charms, CSLS.
- Series 8 HART IO's (Honeywell EPKS System)
- Modbus (RS-232, RS-485), Serial Interface, Profibus
- OPC (ArchestrA SMC-DAServer Manager)

Control Systems knowledge:

- Software Installation, Start-up, Testing, Commissioning & Maintenance of DeltaV DCS and PLC systems.
- Hands on experience in DeltaV ESD & SIS Control, Graphics development & Cause and Effect logic implementation
- System Upgrade and Migration.
- Hands on experience in DeltaV DCS virtualization (Virtual Studio and DeltaV explore)
- Hands on experience in PLC, SCADA & HMI service and logic, graphics Development and modifications.
- Hands on experience in (LD, FBD, SFC) Programming.
- Hands on experience in field Instrument loop checking.
- Conversant in TCP/IP & HART protocols.
- System Upgrade, Project migration and Online Switchover.
- Prepare Front End Engineering Design for Siemens System, like FDS, Control Philosophy.
- Hands on work Experience DeltaV Charms and CSLS.
- Report Generation & Log configuration in Control System based on customer's Input and project document.
- Involving in DCS & PLC Hardware Systems Factory Acceptance Test (FAT), Cabinet Installation, Controllers & Power Supplies redundant test, IO Cards channel testing, Controller & IO Carriers inspection, System Networking & Testing.
- Hands on Experience in DeltaV SIS (SLS 1508) Safety Instrumented System.
- Hands on experience in HART Protocol and HART Devices.
- Hands on experience in MODBUS and PROFIBUS communications.
- Trouble shooting in DeltaV DCS software & hardware's.
- Hands on experience in detailed engineering activities. Generating typical graphic elements, analysing P&ID and assigning Animation to required components on the mimics, generating and testing Dynamo displays, trending and alarm configuration in Honeywell EPKS DCS, DeltaV DCS & Ovation DCS.
- Hands on experience in third party communication (Metering Skid, LEL Panels, Flow Computers, HMI, Etc.).
- Prepare of Control System I/O List.

Project Experience in Brief:

1. FRONTIER STATION-OKLAHOMA GAS AND ELECTRIC
 - Retrofit Project - GE MARK IV to Ovation DCS.
 - Complete - Controls and Graphics Development in Ovation System.
 - Site changes as per site requirements, commissioning activities.
2. ONGC, TN, India
 - Working as a DeltaV DCS engineer for Value Added Plant
 - Develop the programmes and graphics for expansion projects
3. REVERSE OSMOSIS & DEMINERALISATION TREATMENT Plant, TN, India
 - Working as a DeltaV DCS engineer For RO&DMT process Project
 - Controls and Graphics Development & Database Implementation.
4. POLYMERIZATION, SPINNING AND DIPPING MACHINE
 - Involved in verification of the Hardware Engineering implementation (Block Diagrams System Architecture Diagrams, Networking Drawings, automation requirements, hardwired & serial communication details, system & Marshalling Engineering).
 - Involved in verification of software implementation (P&ID, Databases, Logic and Control Schemes documentation, Implementation and testing on the systems).
 - DCS configuration, generating DCS Database, logic development using customer supplied C&E, Complex loops narratives and the Automation Design Guidelines
 - Site Commissioning, Graphics Development, Logic Configuration, Onsite modification, Loop checking in Delta V DCS V12.3.
 - Conducting Loop check, Cold & Hot wire checking with project team.
 - Onsite Engineering Support for Commissioning and troubleshooting
 - Configuring and Commissioning of SLS 1508 module and develop logics for ESD based on Cause & Effect Matrix.
5. FSO UOTE1 IFIX SCADA SYSTEM
 - Understanding the engineering implementation documents (Block Diagrams, System Architecture Diagrams, Networking Drawings, Control narrative documents)
 - Create new OPC Tag in OPC Power tool
 - Develop graphics and dynamos using iFIX SCADA
 - Remote Engineering Support for FAT and Commissioning
 - Graphics Development, Logic Configuration, Offsite modification
6. RESIDENTIAL SOLAR SYSTEM
 - Logic development using customer supplied C&E, Complex loops narratives.
 - Graphics Development, Logic Configuration in Simatic Manager V5.5 and WinCC.
 - Develop graphics and dynamos using Wincc SCADA
 - Onsite Engineering Support for Commissioning and troubleshooting
 - Involved in establishing third party communication between Siemens PLC and Delta VFD drive using Modbus Communication
7. VISHNU CHEMICALS - SODIUM BICHROMATE
 - Involved in DeltaV System Software Installation
 - Develop graphics and dynamos using iFIX scada
 - Control Logics Development based on Customer input (FDS, Control narrative, P&ID)
 - Involve in Engineering Support for Commissioning and troubleshooting

8. HPCL, Visakh Refinery

- Understanding the engineering implementation documents (Block Diagrams, System Architecture Diagrams, Networking Drawings, Control narrative documents)
- Control Logics Development, Database I/O mapping.
- Develop Static & Dynamic Graphics Screens as per the customer requirements
- Working with Site Commissioning Team for On-site Logic and Graphics modification during FAT

9. POLIFIBER PLANT

- Working in Documentation team for preparing I/O list and Instrument Tag No. preparation
- Working part of Engineering Team to Develop Control parts based on Project input
- DeltaV System Installation based on System architecture.

Personal Information:

Father's name : Rajagopal G
Date of Birth : 13 February 1995
Passport No. : N9945621
Passport Expiry Date: 03 / May / 2026

DECLARATION

I hereby declare that the above said statements are true to the best of my knowledge and belief.

Place: Chennai, India.

Yours truly,
R. Venkatesh