KRITHIK KRISHNAMOORTHY

Industrial Automation Control System || Process Instrumentation

krithikk@gmail.com

+91-9003195075/8667311849

linkedin.com/in/krithik-k-1a77b124

4th April 1982|| Languages Known: English, Tamil and Hindi(Spoken) || Madurai – 625018

A performance driven professional, targeting senior-level assignments in Data Science, Industrial Automation, Process Instrumentation, with an organization of high repute, looking for New roles with career transition in Data Science, Data Analytics field
Preferred Location: Flexible to PAN India Metros (Preferably in South India)

CORE COMPETENCIES

Instrumentation & Control

Industrial Process & Factory Automation

Industrial Control System

Project & Team Management

Stakeholder Management

Project/Systems Engineering

Material Inspection

Project Planning & Scheduling

Leadership

PROFILE SUMMARY

- A goal-oriented professional offering **15 years of experience in Industrial Automation Control System Integration of Hardware and Software**

- **10 Years of Industrial experience in OT-Operation Technology with real-time Hands-on Project experience with Rockwell Automation Allen Bradley PLCs, SCADA-Data Acquisition System, DCS, HMI**

- Exhibited excellence in **executing 50+ projects** in **Instrumentation & Automation**; proficient in managing multiple projects at a time

- Detailed System Integration & hands on experience in Real-time Projects PLC-SCADA-HMI-DCS-RTU Design, Application programming Development, VBA skills

- Preparation of functional design specifications, control schemes, Narratives & Write up

- FAT and SAT experience RTU and SCADA based control systems

- PLC/SCAD/,DCS/HMI, Automation System Configuration,Testing,Backup,Comissioning & Maintenance activities of Software and hardware

- Familiarity of P&ID, Instrument index, utility & power distribution schemes, power consumption document, loop diagrams

- Evaluation of Control Panel drawings, cable block diagrams, wiring diagrams, cable schedules, SLDs, system architecture drawings, Loop diagrams, Instrument hook up diagram, FAT/SAT procedures, O&M manual and as-built documentation etc.

- Customer/vendor/Factory Liaison to fulfil documentation and inspection requirements

- Exposure to specifications, selection & configuration support for PLC based system

- Successfully coordinated the delivery of various technical project implementation & support for overseas projects in countries based on **USA** (support for North American Projects for GE in Quest Global and CDM Smith), **Europe & China** for their various affiliated business units

- Engaged in reviewing & Designing 2D & **3D & Plant layout** for Electrical Installations & Design Review in **Navisworks freedom**

- Holds merit of implementing various **quality standards** and techniques for improving the project operations along with cost savings

- Proficient in ramping up projects with competent cross-functional skills and ensuring **on-time deliverables** within pre-set cost parameters and resolving day-to-day problems

- A **result-oriented individual** with the specialized training and dedication to successfully adapt to the ever-changing fields of **instrumentation, automation, and control technology**

- Rich adaptability to **multitasking** on project & project implementations

- An **effective communicator** with strong analytical, coordination, leadership & relationship skills; possess excellent team development skills through promotion of teamwork spirit and motivation

NOTABLE ACCOMPLISHMENTS ACROSS CAREER

- **Bagged various appreciations** for successfully orchestrating below high visibility large projects:
  o WTP Project for Conventional Water Treatment & RO System, based out of **Iraq**
  o SAT for 20000+ Inputs & Outputs for a Distributed Control System in Reliance Jamnagar Export Refinery
  o Projects for Automation, Control System, Instrumentation with 5000-10000 approx. Inputs & Outputs connected to SCADA/DCS (Distributed Control System)
- Exhibited excellence in Performing & working as a **Team Leader** while taking add on responsibilities in **OTV ECI VEOLIA**

TECHNICAL SKILLS

- **Industrial Domain Expertise:**
  - WTP, WWTP, Automatic Material Management& Monitoring, Energy - Power Management System & Automation, Electrical Data Management System, Load Shedding, Plant Electrification Applications, Automation Applications for Cement Plant Process, Power Plant Boiler and Substation based telemetry systems on turnkey basis
  - **Hands-on expertise in Industrial Hardware & Software Programming:**
  - PLC - Allen Bradley (Control Logix's, Compact Logix, Flex Logix SLC series, Micrologix Series, PLC5 Series)
  - PLC Programming Softwares - RSLOGIX 5000, RS LOGIX 500, RSLOGIX 5. Adapt in managing any PLC
  - DCS - ABB 800XA with PM864 Controllers and Control Builder Programming. Adapt in managing any DCS
  - Reporting Tool - Visual Basic 6.0 Data Reports and ODBC Connectivity
  - SCADA - FactoryTalk View SE & ME 5.0, 5.1, SE 6.1, RSView 32, ECS – Expert Control System , GE FANUC Fix32, IFIX 3.5, 5.1, WonderWare-Intouch 10.0, 10.1, 10.5. Adapt in managingany SCADA / HMI / MMI
  - Industrial Control System Protocols - DF1, DH485, RS 232, RS 485, PROFIBUS, MODBUS, Devicenet, Ethernet, Control Net, Third Party Communication - OPC Kepserver, IEC 104, IEC 61850
  - **Hands-on experience in Industrial 2D & 3D Design Softwares:**
  - AutoCAD , Microsoft Visio
  - AVEVA PDMS
  - AVEVA E-3D
  - AVEVA VPE for P&ID Design, Bentley Autocadd for Intelligent P&ID

ORGANISATIONAL EXPERIENCE

Feb'14 – Nov'19 with OTV ECI VEOLIA Water System & Technologies Pvt. Ltd., Chennai

Growth Path:

Instrumentation & Electrical Engineer
Additional responsibility undertaken as **Team Lead for the projects** on provided opportunities
Electrical Instrumentation & Control Engineer
Key Result Areas:

- Spearheading the implementation& supervision of all aspects of a project including preliminary studies, implementation, controlling & commissioning of project scope, schedules, deliverables & budget
- Conducting analysis and identifying potential risks, assessing implications and recommending the mitigation plan
- Leading and mentoring a team of 8-10 members to realize strategies and objectives of the projects
- Steering various projects related to P&ID development for FPSO - WTP and upstream speed to Oil & Gas including Instrumentation design and project documentation
- Ensuring high quality Governance, periodic reviews with key stakeholders on project progress
- Rendering support to theBid & Sales Team during Bids & Proposals for tenders related to various industrial projects
- Establishing and maintaining effective relationships with key stakeholders to ensure consistent communication
- Spearheading end-to-end installation & commissioning of Instrumentation and Integrated Control & Safety Systems
- Achieving targeted KPI% for process safety performance indicators
- Providing technical support
- Preparing documentation for Field Instrumentation/Control & Safety Systems, Plant Maintenance Philosophy to craft practice standards in coordination with vendor

PREVIOUS EXPERIENCE

Nov'12 – Sep'13 with Quest Global Engineering Pvt. Ltd., Bengaluruas Lead Engineer

Oct'11 – Nov'12 with CDMSMITH, Chennai as Automation Engineer

Nov'10 – Jul'11 with MELSS Automation Ltd., Chennai as Project Engineer

Jun'07 – Jul'10 with ABB GISL, Bengaluruas Project Engineer

Jun'06 – Jun'07 with F.L. SmidthPvt. Ltd. (Automation Division), Chennai as Lead Engineer - Control Systems

Jun'03 – Jun'06 with Focaal Automation Pvt. Ltd., Chennai as Systems & Project Engineer

ACADEMIC DETAILS

- **Masters Program in Data Scientist for Data Science & Business Analytics, SimpleLearn, 2021**
- 2003:Bachelor of Engineering in Instrumentation and Control, Sethu Institute of Technology, Tamil Nadu
- 2002:Diploma in Information Technology, NIIT, Tamil Nadu

CERTIFICATIONS

- **Exposure to Data Science Field with Industry Standard Projects in Data Science Capstone Healthcare- Prediction of Diabetic Patients, Banking, Sales Predictions, Retail Analysis with Walmart Tableau 10 Data Visualization, Data Science with R, Python for Data Science,Machine Learning Advanced Certification Training, Market Analysis in Banking Domain Big Data Hadoop and Spark Developer, Data Science with Python Certification Training Program with Project Implementation from SimpliLearn for Masters program in DATA SCIENCE & BUSINESS ANALYTICS**
- **A crash course in Data Science authorized by Johns Hopkins University offered through Coursera**
- 301V Industrial Control Systems ICS Cybersecurity – CISA – U.S.Department of Homeland Security
- Google Cloud Platform Business Professional Accreditation _ Google
- ICS / SCADA cyber security from Cybrary and UDEMY
- AVEVA Industrial Training on SCADA Historian
- BEGINNERS MASTER CLASS INTO IOT certified from UDEMY
- SQL Fundamentals Course from Solo Learn
- DataScience for Everyone from DataCamp & Introduction to Data Science from Alison
- Introduction to C Programming from Alison Academy
- MATLAB ONRAMP from MATLAB Mathworks Academy
- Siemens Simatic TIA Portal Structured Programming for Step 7, Step 5 PLC 1200, 1500, WIN TC from Siemens Sitrain Digital Academy
- INTOOLS SPI Smart Plant Instrumentation Version 2007.6(8.0), PDMS &AutoCAD 2007, 2016 from Techindeed Engineering Services
- 800XA DCS in T315 from ABB GISL & IAB (Integrated Architecture Builder) from Rockwell Automation
- Trained and implemented AutoCAD2016 & 2018, AVEVA P&ID VPE SP3.11 & 3.12, Cable Tray Drafting & Modelling in E-3D & PDMS VP12.6 software for Cable Tray Routing in OTV ECI VEOLIA
- Trained in Siemens Sitrain Instruments from Siemens
- Electrical Concepts & Efficient Motor Control with Power Drive Systems from Schneider Electric

IT SKILLS

Windows OS	SQL, MS Access Database	MSOfficeSuite Visual Basic 6.0
	MS-Office,Word,Power Point	