

KRITHIK KRISHNAMOORTHY

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Industrial Automation Control System | Process Instrumentation

SUMMARY

A highly competent, passionate **Project Engineer** with analytical mind, capable of thinking in & out of the box, generating new design solutions & ideas, have **15 years of expertise** in Project Engineering, Project Management, Industrial Process Automation, Instrumentation & Control, Factory Automation, Stakeholder Management and Team Management.

- Intellectually curious with strong work ethics, leadership, negotiation, problem solving, excellent communication and exceptional interpersonal skills
- Motivated to work as part of a team, building partnerships and fostering collaborative relationships
- **50+ projects executed in Instrumentation & Automation**, adapt in handling multiple projects at a time
- An aspirant go getter, exploring IT domain areas wherein existing expertise & skill set can be leveraged

Industrial Domain Expertise: WTP, WWTP, Automatic Material Handling & 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 turn key basis

Industrial Hardware & Software Programming hands on Expertise:

- 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 handling any PLC
- DCS - ABB 800XA with PM864 Controllers and Control Builder Programming. Adapt in handling 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 handling any 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

CORE COMPETENCIES

Project Engineering Execution
Control Systems Engineering
Material Inspection

Project Management
Factory Automation & Control System
Stakeholder Management

Industrial Process Automation
Instrumentation & Control
Team Management

WORK EXPERIENCE

Electrical Instrumentation & Control Engineer

OTV ECI VEOLIA Water System & Technologies Pvt. Ltd., Chennai | Feb 2014 to Nov 2019

- Conceptualizing, implementing & supervising all aspects of a project i.e. preliminary studies, implementation, controlling & commissioning including project scope, schedules, deliverables & budget
- Spearheading various projects related to P&ID development for FPSO - WTP and upstream speed to Oil & Gas including Instrumentation design and project documentation
- Reviewing 3D & Plant layout for Electrical Installations & Design in Navisworks Freedom
- Identifying potential risks, understand & assess implications and recommend mitigation plan
- Mentored, managed and drove team to realize strategies and objectives of the projects
- Ensuring high quality Governance, periodic reviews with key stakeholders on project progress
- Supporting Bid & Sales Team during Bids & Proposals for tenders related to various industrial projects
- Establishing effective relationships with key stakeholders to ensure aligned & consistent communication

Lead Engineer | Quest Global Engineering Pvt. Ltd., Bangalore | Nov 2012 to Sep 2013

Automation Engineer | CDMSMITH, Chennai | Oct 2011 to Nov 2012

Project Engineer | MELSS Automation Ltd., Chennai | Nov 2010 to Jul 2011

Project Engineer | ABB GISL, Bangalore | Jun 2007 to Jul 2010

Lead Engineer - Control Systems | F.L. Smidth Pvt. Ltd. (Automation Division), Chennai | Jun 2006 to Jun 2007

Systems & Project Engineer | Focaal Automation Pvt. Ltd., Chennai | Jun 2003 to Jun 2006

EDUCATION

Bachelor of Engineering in Instrumentation and Control, Sethu Institute of Technology, Tamil Nadu | 2003

Diploma in Information Technology, NIIT, Tamil Nadu | 2002

IT SKILLS

- Proficient with Windows OS, MS Access Database, Visual Basic 6.0, SQL, C, Matlab, MS Office and web based Internet Applications

CERTIFICATIONS

- **Siemens Simatic TIA Portal Structured Programming for Step 7, Step 5 PLC 1200, 1500, WIN TC** from Siemens Sitrain Digital Academy
- **Matlab ONRAMP** from Matlab Mathworks Academy
- **INTOOLS SPI Smart Plant Instrumentation Version 2007.6(8.0), PDMS and AutoCadd 2007, 2016** from Techindeed Engineering Services
- **800XA DCS in T315** from ABB GISL & **IAB (Integrated Architecture Builder)** from Rockwell Automation
- **Internet of Things** from Udemy Academy & **SQL Fundamentals Course** from Solo Learn
- **Introduction to C Programming & Introduction to Data Science** from Alison
- Trained and implemented **AutoCadd 2016 & 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
- Pursuing **IIOT & Labview** from Udemy Academy & **Python 3** from Solo Learn

ACHIEVEMENTS

- Received various **appreciations for successfully orchestrating below high visibility large projects**
 - WTP Project for Conventional Water Treatment & RO System, based out of Iraq
 - SAT for 20000+ Inputs & Outputs for a Distributed Control System in Reliance Jamnagar Export Refinery
 - Projects for Automation, Control System, Instrumentation with 5000-10000 approx. Inputs & Outputs connected to SCADA/DCS (Distributed Control System)
- **Successfully performed role of a Team Leader** while taking add on responsibilities in OTV ECI VEOLIA
- Contributed and coordinated delivery of **various onsite abroad projects** based on technical implementation and support from countries like USA, Europe and China for their business units

PERSONAL DETAILS

Language Known	: English, Tamil and Hindi
Passport	: Indian Passport valid until Jun'2025
Preferred Job Location	: Chennai, Bangalore, Coimbatore, Hyderabad, Pune, Mumbai, PAN India Metros
Reference	: Available on request