

## PROFILE SUMMARY

- Competent professional with nearly 8.2 years of experience in *managing projects related with Instrumentation & Control and Industrial Automation*
- Expertise in Application Development in **PLC, HMI and SCADA** as per process requirement.
- Currently Pursuing masters at West chester university Pennsylvania.
- Skilled in designing graphics*
- Possess:
  - Knowledge of various communication protocols such as **PROFIBUS, ETHERNET, PROFINET, RS-232 and CONTROLNET**
  - International exposure of *being deputed to Head office of Boustead Salcon at Tai-Seng, Singapore* for project development and Software FAT
- Currently Pursuing Masters in Computer Science at West chester University Pennsylvania.

## CORE COMPETENCIES

~FAT  
~System Programming

~Continual Process Improvements  
~Team Leadership

## TECHNICAL SKILLS

- Honeywell Automation Products – Control Edge Builder, Experion PKS, HMI WebDisplay Builder R410
- Siemens Automation Products - Step7, WinCC, WinCC Flexible, TIA Portal
- Rockwell Automation Products-RS Logix, Factory Talk View Studio
- General Electric Products-Proficy Ifix
- Microsoft Office
- Basics of VBScript, SQL, **Python**
- Understanding on different AI search strategies such as Astar, Breadth first, Depth First branch bound, Greedy best.

## MASTERS TECHNICAL PROJECTS

### Traffic Flow optimization:

- Built a GUI and executed project on Traffic Flow optimization which dynamically shows shortest route between roads based, busiest roads, all possible paths to reach the destination based on user input using DJKSTRA's algorithm in python.

## ORGANISATIONAL EXPERIENCE

### Since Feb'19 Honeywell Automation India Ltd., Pune

Growth Path:

Since Feb'19 Systems Engineer (Automation & Control)

### Role as Systems Engineer (Automation & Control)

- Executing Allen Bradley projects in Honeywell company
- Coordinating with client regarding process and collection of inputs
- Preparing sequence of operations and developed program in PLC as per requirements (PLC (Rockwell RS Logix))
- Developing application in Honeywell HMI (HMI WebDisplay Builder R410) & PLC RTU2020 (Control Edge Builder)
- Preparing Quick Database Builder(Qdb) for third party PLC's with Honeywell HMI
- Providing in-house support for Execution of Rockwell PLC
- Documentation Such as Preparing FAT & SAT Reports

### Since Dec'13 Fox Controls India Pvt. Ltd., Nasik

Growth Path:

Dec'13-Dec'14 Graduate Engineer Trainee

Jan'15-Mar'18 Executive- Projects (Automation & Control)

Apr'18-Jan'19 Sr. Executive- Projects (Automation & Control)

### Role as Executive & Sr. Executive- Projects (Automation & Control)

- Ensuring communication of Rockwell software with third party SCADA (General Electric) through Industrial Gateway Server (IGS)
- Executing Allen Bradley projects in Siemens oriented company
- Coordinating with client regarding process and collection of inputs
- Preparing sequence of operations and developed program in PLC as per requirements (Siemens : Simatic Manager, TIA Portal) & PLC (Rockwell RS Logix)
- Developing application in Siemens HMI (WinCC Flexible) and SCADA (WinCC) & Rockwell HMI (Factory Talk View Studio Machine Edition) and SCADA (Factory Talk View Studio Site Edition)
- Creating application in General Electric SCADA (Proficy Ifix V5.8)
- Performing home testing, hardware FAT & Software FAT
- Providing in-house support for on-site commissioning of projects
- Reviewing engineering drawings, documents and as-built drawings
- Documentation Such as Preparing FAT & SAT Reports
- Provided technical support during commissioning at site
- Implementing project quality plan & procedure for the inspection of the installation and testing of instruments

#### **Role as Graduate Engineer Trainee:**

- Performed:
  - Hardware panel testing, FAT bill of material check for Siemens S7-400H Redundant System in Siemens Works, Nasik
  - PLC programming and developed HMI, SCADA for different job orders
- Completed documentation (prepared IO List for panel design & query list as per process description specified)
- Created operation & maintenance manual for the executed projects
- Conducted home testing, hardware FAT & software FAT

#### **Highlights:**

- Successfully completed complex projects single-handedly such as ***software development in Allen Bradley PLC with General Electric SCADA consisting of more than 5000 inputs & outputs***
- Performed and achieved hardware & software FAT without any support

#### **ACADEMIC DETAILS**

- B.Tech. in Electronics & Communication from Pragati Engineering College, Andhra Pradesh in 2013 with 71.83%
- 12<sup>th</sup> from Sri Chaitanya College, Vijaywada, Andhra Pradesh in 2009 with 93%
- 10<sup>th</sup> from KPR & JL Siddhartha High School, Eluru in 2007 with 88%

#### **TRAININGS**

- Completed following trainings:
  - PLC, HMI & SCADA (Siemens & Rockwell) from FOX Solutions, Nasik
  - Electrical Drives (Siemens MM 440) from FOX Solutions, Nasik