Narendra Chavan

narendrac2017@gmail.co Arlington, Mobile Number - 817- 856-9785

SUMMARY

Self-motivated Software Engineer with ten months of work experience in field of Manual, with deep technical knowledge in programming, troubleshooting and maintenance of industrial controls devices and equipment used in manufacturing process. To obtain a challenging and responsible position in the area of Software Testing where my knowledge, ability and dedication will be utilized. Always presentable and eager to do hard work and eager to do any type of task assigned and coordinate with the managers and developers for resolving the defects on time. Good interpersonal skills, committed, result oriented, hard working with a quest and zeal to learn new technologies. Analyzing the business requirements and creating test cases and scenarios. Reporting defects in JIRA and sending daily status report to the client and updating the task daily basis.

ACADEMIC QUALIFICATION

Master of Science in Software Engineering (GPA - 3.6/4.0) **Aug 2018 “ May 2020**

University of Texas Arlington, TX, USA

Bachelors of Engineering in Software (GPA - 7.7/10) **Aug 2014 “ May 2018**

Gujarat Technological University, Gujarat, India

TECHNICAL SKILLS

Software: Smoke Testing, Sanity Testing, Functional Testing, Integration Testing

Communication Protocol: RS232, RS485, EtherNet/IP, Modbus, Profibus

PLC: Allen Bradley PLCs, Siemens PLCs, Delta DVP 14 SS

Miscellaneous: P&ID, PID control, Software Drawing, KUKA Robotics and Microsoft Office Suite

WORK EXPERIENCE

Software Engineer, *Wisdom Techno Solutions, Gujarat, India* **Dec 2017 “ May 2018**

- Developed PLC Ladder logic (RSLogix 500) & HMI (Wonderware InTouch) for water filtration plant having Backwash Process operated by pressure sensors using Allen Bradley SLC-500.
- Achieved real time data by Implementing Hour Meter logic in existing program, reduced the downtime of equipment and increased plant efficiency by 30%
- Responsibilities include coordinating all activities in executing control system upgrades, trouble-shooting and solving a wide variety of controls engineering hardware and software issues
- Assisted client with onsite support of control system issues, project start up and plant start-up
- Delivered optimized control and Manual solutions based on client's requirements

Software Control Engineer Intern, *Sumul Dairy Ltd., Gujarat, India* **May 2017 - August 2017**

- Obtained training of Allen Bradley PLC programming, configuration, communication of RSLogix 5000 interfaced with Field sensors, Actuator, Control valves, VFDâ€™s and Servo drives
- Assembled and Configured various field instrument; temperature, level, flow, Pressure sensors
- Troubleshooting and Root cause analysis of material handling equipment; Palletizer ,Conveyors, Bottle Filler
- Experienced troubleshooting of control systems on continuous production lines including PLC & VFDâ€™s
- Assisted senior design engineer in designing control panel layout and wiring schemes using AutoCAD

ACADEMIC PROJECTS

Box Sorting Conveyor system

- Developed PLC ladder logic for box sorting conveyor system in WPL soft, which sorts out the boxes based on height using Delta DVP-14SS PLC

Automatic Car Wash Tunnel system

- Created dashboard (HMI screen) in Factory Talk view, programmed alarm and controlling unit for automatic car wash tunnel system and established connection between Allen Bradley PLC and PanelView Plus HMI screen

Low Cost Home Manual

- Developed home Manual by establishing wireless communication between two Arduino boards through Zigbee Devices which are Configured using XCTU software

Power and Memory Efficient Data logger using TM4C123GH6PM controller

- Designed data logger to periodically measures sensor data and stored to flash memory
- Approached static wear levelling technique with focus on memory maintenance & preserving device battery life

Failure Detection using Kalman Filter Bank

- Kalman filter for a second order process with 2 seconds of failure detection time was implemented in Simulink
- It has capability to maintain the process for three consecutive failures and stop the process upon the fourth failure