Robert Navarro

Electronic Technician - Transportation - UPS

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Looking for an opportunity to work with PLC Control Systems and Process Instrumentation every day early first shift until noon(P/T), Mondays available to work Full Time and extend hours (O/T), if is required.

Work Experience

Electronic Technician - Transportation

Transportation
September 2013 to Present

NY (PM)

• Perform skilled labor duties in the assembly, installation, modification, repair, testing and maintenance of a variety of complex electronic systems and equipment, including Supervisory Control and Data Acquisition (SCADA) System, Servers and switches, network Control System related to the field devices
• Supervisory Control and Data Acquisition (SCADA) Systems including Programmable Logic Controllers (PLC's), their associated control systems and Cimplicity software
• Perform substation troubleshooting, tracing from the substation enunciator to the field device, ground, over current, overheat safety relay's breakers, rectifier's diode replacements, UPS maintenance
• Check, test, maintenance and troubleshooting inverter systems to feed AC to Control Substation from Back up bank Batteries
• Install, start up, troubleshoot, repair and preventive maintenace of Substation Fire Alarm Systems, perform upgrades of obsolete systems, training fire alarm maintenance NFPA 72.

Pharmaceutical Packaging Company
January 2017 to January 2017

P/T)
• Troubleshoot Pharmaceutical Packaging Equipment
• PLC Code Debug, upgrade firmware, Allen Bradley, Siemens, Automation Direct, Omron
• Upgrade and Integration new technology to replace obsolete devices
• Design, build Machine Control Panels, pneumatics valves connections, integrating to pharma stacker frame: ordering parts and control devices, panel assemble, wiring, commissioning, and start up
• Backup and Restore Configuration Code of Siemens HMI Screens model OP17, OP27, TP270 Touch, using Simatic ProSave and ProTool Software.
• Micrologix 1400 Configuration 1762 Expansion I/O modules using RSLinx, BOOTP/DHCP Server.

Technician

E&I PLC - New York, NY
June 2013 to August 2013

• Process instrumentation calibration, 4-20 ma comm. protocol as pressure, level, flow transmitters
• Signal simulation from process instruments to test PLC analogue inputs and SCADA supervisory Software
• Monitoring, daily calibration CEM Emissions Monitoring Systems and Gas Analyzers
• CEM hardware maintenance: flow meters, pressure meters replacement, vacuum pump, analyzer probe
• Manual Zero cal and Span Cal of different CEM Gas Analyzers as: CPP-4794 digital signal processor and data acquisition, Thermo Scientific Model 48i Gas Filter Correlation CO Analyzer, CAI Series 600 analyzer, H2NS CPP-4794 digital signal processor and data acquisition system
• Replace Cal Gas Bottles, add and place in service, input new gas bottle and remove used gas bottle from service from CEM Software
• Maintenance, optic alignment of Opacity Monitor assembly of Stack.

E&I Supervisor
Clearwater Paper   -   Central Islip, NY
2012 to 2013

• Debugging PLC programs from variety manufacturer: Allen Bradley, Siemens, Automation Direct, Mitsubishi, Fanuc GE, PLC 5 and 505 Fastrack
• Troubleshoot automate machines from the PLC code to detect field device failure, related to the system
• Developing integration project to upgrade obsolete HMI Panelview screen to color Panelview 600 AB
• Identify opportunities to improve equipment reliability to implement those changes through failure analysis, data collection and identification of changes to maintenance and operations
• iMaint software management, generating work orders, stock parts inventory control and purchase order.

Tube filler comadis
Perrigo Pharmaceutical   -   New York, NY
2009 to 2012

New York

• John cartoner package system: Integrate automatic leaflet system, developing and adding new logic in the existence program base on AB RsLogix 500 PLC SLC 5/03
• Tube filler comadis: develop and adding new logic to omron syswin program, PLC C-28H to integrate new bar code reader keyence DV-90, work and train automatically when system start and detect and eject no good read of tubes
• Tube filler comadis: integration design, manufacture, install and startup of new automated speed control system based on PowerFlex Drive adding 4-20 ma Sourcing Watlow to control speed through keypad and Tube Reject System based on PLC S-200 and siemens S7 software
• Troubleshooting of electronic automated pharmaceutical equipment to the component level, debugging PLC ladder logic programs from AB SLC 5/03, compactLogix, micrologix, siemens S-200, omron C28H, locating and solving specific failures leading the machine to normal production
• Configuration, startup and troubleshooting of bar code reader vision system N-2100N, matrix -200, keyence DV-90, BL 1300 bar code reader, integrating new automatic leaflet system
• Development of entire new RDG scanner system using existent hardware, PLC and datalogic N-2100 reader
• Design and improvement of new level automation system for batch hopper base on ultrasonic keyence sensor

• Replacement old sensing technology with compatible, reliable and more functional new technology for filling and carton systems to improve performance to avoid machine breakdown
• Integration of Allen Bradley PLC micrologix 1100 rejection system to existence vision system CV-1 100, detecting label and stamp of a jar filler station
• Develop electronic preventive maintenance for diversity pharmaceutical equipment.

Plant Instrumentation Commissioning - Cellulose Mill Plant
2004 to 2008

Nueva Aldea - Chile

Drying Area: Commissioning of process instrumentation through PROFIBUS segments and FIELDBUS communication protocols, wiring and connection of the control panel field devices and deltaV DCS control room
• Fieldbus foundation instrumentation calibration, simulating signals and calibration with master equipment Hart 375 field communicator, altec current supply, fluke oscilloscope and pressure pumps
• Start up process instrumentation and communication segments; fieldbus, profibus, devicenet, hart, 4-20 ma communication
• Monitoring system process control, following process w/P&Id schematics
• System start up solving failures of process control instrumentation, following process w/P&Id and electric schematics
• Mounting and wiring of process instruments, pressure, level, flow transmitters, Fisher, Elomatic Digital Valve Controller, torsion and load amplifier transmitters, proximity, capacitive and inductive sensors, calibration of yokogawa ph, conductivity transmitter and pulp consistency kajaani wet end process instruments
• Complete PM Maintenance high voltage switchgear and MCC Drying motors with E2 relay
Final Packaging Area: Commissioning, troubleshooting and maintenance of pneumatic packaging systems
• Wiring inputs and outputs field devices hardware to PLC siemens and test profibus DP segments
• Debug PLC siemens program simatic S7 CPU S-300, improving code adding timers and counters of PLC program to improve and speed up process, eliminating breakdowns
• Emergency repair of system when breakdown bypassing and forcing field devices from PLC program to keep production running, waiting for spare parts holding stage until final repair
• Mounting and wiring of newtec bag palletizing conveyors systems, Siemens I/O s PLCS300 CPU I/O hardware connections, commissioning, startup and troubleshooting.

Calibration Tech
Minicircuits Mixers - Brooklyn, NY
2000 to 2003

• Setup and calibration of robotic systems assigning testing parameters of new products
• Testing different types of electronic rf / if & microwave components Dc to 20 GHz, high reliability mixers, micro miniature couplers, voltage variable attenuator
• Robot programming technical specifications as Lo dbm level, rf in dbm, frequency range if, conversion loss, Lo rf and Lo if isolation db, use of spectrum analyzers and oscilloscopes to develop these duties.

Electronic Tech - Port Washington, NY
1997 to 1999

• Installation, maintenance and repair of marine equipment as Furuno radar, Honeywell echo sound, Sailor VHF and HF radio transmitters, gyrocompas, automatic pilot, gps.
• Configuration, setup and troubleshooting of electronics marine instrumentation.
• Troubleshoot electric issues, inverter, ups.

Contract as Electronic Radar Specialist

Electronic Radar Tech. - Chilean Air Force Specialties Academy

1987 to 1996

• Thomson military mobile radar systems, deployment, troubleshooting transmitter and assemble parabolic antenna
• Installation of air traffic control UHF and microwave communication systems
• Setup and troubleshooting of radar's transceiver
• Perform field calibrations on radar receiver to detect minimum reception signal (receiver's sensitivity), parameter's measurement as frequency tx, power tx, PRF calculation, duties in primary and secondary radar
• Repair electronic board in lab using electronic test equipment as oscilloscope, signal generator, sweep generator, spectrum analyzer, power meter, frequency counter, fixed attenuators
• Replacement electronic level components as resistors, capacitors, ICs, mixers, crystal oscillator on electronic boards
• Evening class electronics, Federico Santa María University 24 credits.

Petrox Oil Refinery

1985 to 1986

High School Professional Training, Petrox Oil Refinery, Chile
• Technical inspection, pipe welding with X-ray transmitter, measure of cracking catalytic temperature, preventive maintenance.

Education

ESL Communication Skills

Queens College   -   New York, NY

1997 to 1998

Electronics

Federico Santa Maria University

1995 to 1996

Electronics Radar Technology

Chilean Air Force Specialties Academy

1987 to 1990

Skills

MAINTENANCE, CONTROL SYSTEMS, SIEMENS, INSTRUMENTATION, SCADA, Oscilloscope, Soldering, Electronic Technician, Solder

Certifications/Licenses

PLC Certification
January 2011 to Present

PLC Certification, George Brown University, Canada.

Additional Information

Skills:

Automation control systems, PLC code debug, instrumentation, P&ID, commissioning, start up systems, electronic troubleshoot of industrial process systems, industrial communication protocols, continuous research of new technologies to improve equipment productivity, plant safety and operational, highly organized, professional quality work, bilingual communication skills, 10+ work experiences.

Software:

Siemens: Simatic S5, S7, TIA Portal integration, WinCC flexible, ProSave and ProTool HMI Software. PLCs:
S-200, S-300, S-400 series, PLC 5, 505, CTI 2500 series
Allen Bradley: RSLogix 500, 5000, RSLinx, BOOTP/DHCP Server. PLCs: SLC 5/03/04, ControlLogix, CompactLogix, Micrologix
Motion Control:AB Kinetix® 6000 Multi-axis Servo and PowerFlex, AB Ultraware, Baldor
Automation Direct: Do-more Designer, SureServo, SureStep, Step and Servo motor Motion Control Software DirectSOFT. PLCs: 205 CPU 241, Direct 06
GE: Scada Cimplicity, Proficy Machine Edition. PLC: GE Fanuc Series 90-30
HMI: AB Factory Talk ME, Panelbuilder32; HMI's: PanelView 400, 600 Plus, 1500; Proface HMI software, Siemens HMIs OP17, OP27, TP270 Touch
Omron: Software: CX, Syswin. PLCs: C40K, C28H, CQM1
Mitsubishi: Software: Melsec. PLC: FX Series
Bar Code Reader: Visiset(TM), winhost and genius from datalogic, DV-90 keyence software
Brooks Automation:Syscom Brooks Automation Robot software
IMaint: Maintenance management software
Communication Protocols: Ethernet IP, Controlnet, OPC, IGS, Modbus serial RS-232, Rs-485, profibus, fieldbus foundation, hart, device net.