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## **SUMMARY**

- 1 Over 18 years practicing in the field of maintenance, electrical, machine automation repair and modifications
- 2 Skilled Electrician Electro Mechanic / Electronics Technician
- 3 Program and troubleshoot AC/ DC drives, programmable logic controllers including Allen Bradley, Siemen's, and close loop control with touch screen or (HMI) plus scada igss/snmp
- 4 Familiar with: PH magnetic flow transmitter operation, configuration, and calibration
- 5 Knowledge of: Troubleshooting Fanuc power supply and amplifiers, analog interfacing controllers with pneumatics and hydraulics servo motors and stepper motors
- 6 Skilled in: Programming Allen Bradley ladder logic & machine language, operate lath, milling machines and stick tig and mig welding

## **EXPERIENCE**

**In the field of electrical control engineering modification and integration of new and old technology  
And implementation of control system in pneumatics and hydraulics also managing cost of parts**

**Over heads and people in maintenance department as consulting or hands on services also  
Design and solving problems of thermodynamics and manage power systems for harmonics distortions  
Also planning and building production lines with controls architecture and use geometric analysis and  
Design automation controls for chestnut engineering machinery**

**PS: also conduct research in high frequency energy and electromagnetic fields for wireless energy  
Applications**

**2017-2018 Currently working as control engineer maintenance manager modifying some old equipment and  
architecting production lines in the food industry**

**2016-2017 Contract with Rigo wall covering engineering managing maintenance department  
Over seen maintenance of machinery in the factory and consulting all new projects**

**2015-Maintenance supervisor and coordinator for Douglas Stephen manufacturing of plastic containers  
For the food industries  
Troubleshooting all electrical and electronics and technical support for the robotics arms and new  
Machinery.  
Objective of contract to design build a mcc room and maintenance department and tool room**

## **2014 – SR Maintenance Supervisor, W.Y. Industries, Inc., North Bergen NJ**

Plastic manufacturing industry for injection molded, thermoforming and blow molded food containers

- 1 Machinery on the plant floor consists of: Ferromatic Milacron, Cincinnati Milacron, Quincy Compressors, Ranger and Yushin robot arms (pickers)
- 2 Machine responsibility include: Preventive Maintenance and all around electrical system
- 3 Troubleshooting responsibility includes: PLC, Fanuc, DC power supply and AC/DC drives
- 4 Provide technical support and troubleshoot machines and robotics
- 5 Implement preventative maintenance
- 6 Install new equipment to increase production and capacity
- 7 Oversees safety and day to day operation within maintenance department

## **2012 – 2014, Electronic Technician/Electrician, Schultz Plastic Containers, Branchburg NJ** (Contract position)

- 1 Machinery on the plant floor consists of: Schutz blow molding machines, conveyors and steel welder

- 2 Troubleshooting responsibility includes: All electrical and electronics on the machinery, PLC, electronic safety curtains and conveyor systems (replace sensors limits switches, etc.)
- 3 Run, verify the installation of new equipment on the plant floor (example: blow molding)
- 4 Maintain, troubleshoot machinery and conveyors system s (6axis Ku ka robotic arm)
- 5 Complete all communication wires and connections plus debugging machinery

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**2013 – 2013, Electrical Engineer / Electrical Technician, Manischewiitz Food Company, Newark, NJ**

Contract position with a time lined of 3-1/2 moth 4 moth max

- 1 Built treatment facility for the company and installed conveyor systems for the production department
  - 2 My responsibility include: RE-design system piping, censors, PH probes and magnetic flow AB micro Logic PLC
  - 3 Troubleshooting responsibility includes: Debug system, verify and turn it over to them for production
  - 4 Design and build a wastewater treatment system for bio waste water and trap solids waste
  - 5 Responsible for waste and general water treatment plus installation of new production equipment
- And consulting in project lines as a control engineer

**2011 – 2012, Electronic Technician and electro mechanic NPC paper corporation, Trenton NJ**

- 1 Machinery on the plant floor consists of: Printing press, die cutters, gluers, boxes stitch machines etc.
- 2 Machine responsibility include: Run power to the machines, install PLC, AC/DC drives and debug electrical
- 3 Troubleshooting responsibility includes: PLC, AC/DC drives and Dancers Motor Controls
- 4 Installed, rebuilt fully automated printing presses flex o printing press, titan cutting press for folding Boxes)

**2008 – 2010, Electrical Engineer / Electronic Technician, Epsilon Dairy Industries, Goshen NY** (Contract work)

Dairy produce and packaging

- 5 Machine responsibility include: Install and wire machines, AC motors and motor starters for receiver station
- 6 Troubleshooting responsibility includes: Install and debug system and run in the properly parameters
- 7 Made all the layouts for the installation of machinery
- 8 Designed the mcc room
- 9 Ran all communication cables thru out the plant and the electrical safety wiring for high pressure boiler

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**2003 – 2010, Self-employed**

- 8 Machinery on the plant floor consists of: Printing press and color dye machine
- 9 Machine responsibility include: Provide technical support on safety of the machinery
- 10 Troubleshooting responsibility includes: Troubleshoot any issues on any equipment
- 11 On call to troubleshoot and repair automated controllers, AC/DC drives, temperature controllers
- 12 Completed software download uploads & troubleshooting program and modification

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**1999 – 2002, Electrician / Electro Mechanic G.B.W. Manufacturing**

Packaging and printing plant

- 11 Machinery on the plant floor consists of: Printing press, die cutters, gluers and compressors
- 12 Machine responsibility include: PM and upgrade machines with new components
- 13 Troubleshooting responsibility includes: AC/DC drives and PLC motor controllers

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**1995 – 1999, Electrical Contractor, Kohan and Allen Electric, Patterson, NJ**

- 1 Electrical contractor for industrial, commercial, and residential industries
- 2 Run electrical conduit and wiring industrial machines and all controls panels
- 3 With a/c or d/c drive and temperature controllers thermos heaters

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**1984 – 1995, Electronic Technician / Electro Mechanic, Acme Machinery, Clifton NJ**

- 1 Rebuild and modified machinery for the plastic food and printing industry
- 2 injection molding machines printing press conveyors and food processing food machinery

**EDUCATION**

- 2 1973-1977, Electro Mechanic and Machine Science, Institute of technology of Mayaguez, PR
- 3 1978-1980, Electrical Engineering, I.C.S. School, Scranton PA

4 1982-1983, Industrial Electronics and Robotics, N.R.I. School, Washington DC