Desmond Pellegrino-Oduya

Industrial Electrical Technician

Grand Rapids, MI · desmond.pellegrino@example.com · (616) 555-0177 · LinkedIn

SUMMARY

Electrical technician with 6 years maintaining 480V motor controls, VFDs and Allen-Bradley PLCs in food and packaging plants. NFPA 70E trained, reads ladder logic and schematics, and cut unplanned electrical downtime on 2 lines by about 30% in the last year.

EXPERIENCE

Electrical Technician II — Lakeshore Packaging Works

Grand Rapids, MI · Mar 2022 – Present

- Maintain electrical systems on 9 packaging lines, answering 25+ breakdown calls a month with a median repair time under 40 minutes.
- Cut unplanned electrical downtime on 2 case-packing lines by about 30% by replacing worn photo-eyes and loose terminations found on infrared scans.
- Troubleshoot ControlLogix and CompactLogix PLC faults online, tracing 15+ I/O and sensor failures a month to the field device.
- Replaced and programmed 22 VFDs during a conveyor upgrade, finishing over 3 planned weekend shutdowns with 0 startup delays.
- Wrote 14 lockout/tagout procedures for new equipment, all approved in the plant's annual safety audit.

Electrical Technician — Riverbend Food Processing

Holland, MI · Jun 2019 – Feb 2022

- Ran monthly preventive maintenance on 60+ motors and starters, logging megger readings to catch 7 failing windings before breakdown.
- Built and wired 5 small control panels from drawings, each passing the engineer's point-to-point check the first time.
- Installed conduit and wiring for 3 new washdown-rated mixers, meeting NEC and sanitation rules.

SKILLS

Controls: Allen-Bradley ControlLogix and CompactLogix, Studio 5000, ladder logic, HMIs, sensors and photo-eyes

Power and motors: 480V three-phase, motor starters, VFDs (PowerFlex, ABB), soft starters, transformers

Testing: Digital multimeters, megohmmeters, clamp meters, infrared thermography, loop calibrators

Safety and codes: NFPA 70E, lockout/tagout, arc-flash PPE, NEC, OSHA 10

CERTIFICATIONS

NFPA 70E Arc Flash Safety, 2024

OSHA 10-Hour General Industry, 2021

Level I Infrared Thermography, 2023

EDUCATION

Associate of Applied Science, Electrical Technology, Grand Rapids Community College, 2019

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