

NICHOLAS TERLIZZI

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OVERVIEW

Professional Automation Engineer with an advanced level of proficiency working within several industry leading automation software platforms. Exemplary communication skills with a strong team-based approach to problem solving. Focused project management style, with an emphasis on successfully delivering on-time, quality results within allocated capital. Aligns with, and actively supports company goals, guidelines, safety initiatives, and continuous improvement efforts.

EDUCATION

New England Institute of Technology -East Greenwich, RI

Bachelor of Science in Electrical Engineering

'Best in Tech' Award Recipient

New England Institute of Technology - East Greenwich, RI

Associate Degree in Electronics Engineering

Blackstone Valley Regional Technical School -Upton, MA

Manufacturing Technology Certificate

TECHNICAL EXPERTISE

Rockwell Automation/ Allen Bradley:

Studio5000/RsLogix 500

GuardLogix Safety

Factorytalk Studio ME/SE

Connected Component Workspace

Powerflex/Kinetix Motion controls

SIEMENS:

TIA PORTAL

ProfiSAFE Safety

WinCC

S120/220/G120 Series Motion controls

NETWORK PROTOCOLS:

Ethernet/IP

PROFINET

Modbus RTU/TCP

DESIGN AND MISC:

AutoCAD Electrical

Lenze Motion Controls

DC Stepper Motion Controls

Microsoft Platforms

eCatcher & mbCONNECT24 remote interfacing services

C++ microcontroller development

PROFESSIONAL CERTIFICATIONS

Certified UL 508A MTR

SAF-LOG104 GuardLogix Application

Development & Troubleshooting

CCP151 Studio 5000 Logix Designer

CCP146 Studio 5000 Logix Designer

Inverter Drives 8400 Application & Commissioning

PROFESSIONAL EXPERIENCE

Senior Automation Engineer II

Nanoscale Components -Nashua, NH - Nov 2021 – Present

- Full-scope hardware & software design on a proprietary chemical/web handling process in the lithium ion battery industry
- Complete PLC/HMI software overhauls of Chemical Processing / Web line handling modules for a research facility located in Jülich, Germany
- Successfully developed & deployed PLC and HMI applications for an experimental filtration system, web oscillation testing rig, & miniature R&D scale process line
- Developed & prototyped instrumentation designed to measure the health of non-aqueous fluids critical to the efficiency of the process

Senior Automation Engineer

Parkinson Technologies - Woonsocket, RI - Oct 2020 – Nov 2021

- Full-scope electrical design & development of control systems used in multi-million dollar web handling applications
- Full life-cycle support of projects: conceptualization, electrical schematic sizing/drafting, programming all aspects of automated operation, conducting Factory Acceptance Testing, Onsite installation, & Site Acceptance Testing
- Remote/Onsite field service for pre-existing legacy applications requiring process improvement & troubleshooting hardware/software
- Developed PLC logic standards of common applications to streamline & simplify the programming of new projects

Engineer & Maintenance Manager

The Okonite Company - Cumberland, RI - Mar 2019 – Oct 2020

- Installed, maintained, modified, & redesigned process controls & instrumentation for various wire manufacturing applications
- Collaborated with manufacturing engineering in continuous improvement projects to increase the yield & efficiency of each production line through PLC/HMI program optimization & new hardware integration
- Led troubleshooting efforts associated with the control systems to avoid or minimize production upsets/downtime
- Supervisor of 6+ tradesmen between the mechanical & electrical departments

Product SME/Support Engineer

Lenze Americas - Uxbridge, MA - Oct 2017-Mar 2019

- Responsible for onsite & remote support of all Lenze automation products for entire North American customer base
- Completed consultations consisting of programming, wiring, & sizing applications with Lenze drives & motors
- Developed & released a fully comprehensive online support portal for the SMVector Inverter, which is still used throughout the international company

Electronics Engineer

Page and Pedersen -Hopkinton, MA -Dec 2015 - Oct 2017

- Responsible for the construction, calibration, quality assurance, & troubleshooting of all company equipment and instrumentation
- Developed various forms of marketing materials and documentation, technical specifications & manufacturing assembly instructions, which led to increased sales
- Electronic & mechanical design collaboration with owner