

ICS TECHNICIAN

Military veteran with active security clearance and over 20 years of experience in instrumentation and electrical utilities supporting critical infrastructure. Proven expertise in programmable logic controllers (PLCs), instrument controls (electronic, pneumatic, and mechanical), and software platforms including Allen Bradley RSLogix 5000 PLC/ SCADA and KPI. Adept in demanding environments, including extended hours, harsh weather conditions, heavy lifting, and frequent travel. Strong interpersonal skills to support team philosophy and strategy.

- Naval Cryptologic Technician (2011-2015)
- Army Indirect Fire Infantry (2018-2022)
- 4.0 GPA A.A.S. Nuclear Technology (2017)
- Active FBI CJIS Security Clearance
- MUTCD ATSSA Traffic Control Flagger
- AB RS LOGIX 5000 PLC/ SCADA and KPI
- Debug Variable Frequency Drivers
- Climb heights of 200ft or greater
- Physical: bending, stooping, kneeling, climbing ladders, lifting 200+ lbs
- PowerShell/Linux/Excel/Word/Powerpoint
- Interpret Loop Drawings, P&ID, PFDs
- Wiring: NFPA 79, UL 508A, IEC 60204-1
- Programmable Logic Controllers (PLC) & Human Machine Interfaces (HMI)

PROFESSIONAL EXPERIENCE

Intuitus Corp – SCADA Orchestration and Network Engineering

2022 - Present

24/7 Managed Detection & Response - Security Operations Center

Cybersecurity Engineer with Intuitus Corporation in the 24/7 monitoring and processing for Security Operations Centers (SOCs). Manage forensic data collection appliances for PCAP and traffic analytics. Utilize Sophos Security, Horizon3 AI Pentesting, and Security Onion SIEM to provide security baseline, threat mitigation, and network monitoring to PSAP, power grid, and midsized organizations.

- Utilize a computerized maintenance management system (CMMS) to document work order closure and improve historical records and reliability
- Maintained network orchestration between Microsoft Hyper-V, Sophos Firewall, Horizon3 Node Zero, and Security Onion grid members.
- Perform deep nodal analysis with protocol decoding, network behavioral heuristics, TCP/UDP stream, VOIP ID, NIDS/HIDS, and SIEM.

Amazon Reliability Maintenance Engineering (RME) – Systems Control Technician

2022 - 2023

Facilitate Shipment of 15000+ Dispatches Daily – Maintain Industrial Control Networks & PLC

Systems Control Technician with Amazon RME, maintain and optimize Allen-Bradley RSLogix/Studio 5000 controllers supporting Daifuku-Wynright conveyor systems handling 15,000+ daily dispatches. Monitor, troubleshoot, and enhance industrial automation systems including PLCs, HMIs, and VFDs. Configure, test, and modify ControlLogix chassis and I/O modules to integrate or remove conveyor servo motors, OCR scanners, labeling and print-and-apply equipment. Develop and support KPI monitoring interfaces using the ELK stack (Elasticsearch, Logstash, Kibana).

- Designed and wired high voltage cabinets according to NFPA 79, UL 508A, IEC 60204-1. System checks via multimeter and thermal imaging.
- Designed and machined custom conveyor parts via AutoCad and Solidworks. Operated 4-20 mA electro-pneumatic control loops.
- Manage virtual machines using AWS and VMWare Cloud. Manage Amazon WorkSpaces and Microsoft Group Policy Objects.

United States Army – Mortar Computer Operations

2018 - 2022

Mortar Firing Computer System – Supervision and Troubleshooting of Electrical and Mechanical Systems

- Project manager trainer for one hundred eighty people, ensure mission success and full spectrum capability for Infantry company and support contingents. Accounted for over 180 Soldiers during the March 2020 exercises at National Training Command.
- Led a thirty-person organization in the operation of \$5M worth of weapon systems to complete twenty missions with 100% target accountability and zero loss. Responsible for the maintenance and troubleshooting of all equipment valued at over \$2M including lightweight handheld Mortar ballistic computer (LHMBC) and Mortar firing computer system (MFCS).

Galvanize Boulder – Application Development and UIUX Design

2017 - 2018

Software Engineering – Node JS. Express JS. React JS. PostgreSQL (HTML Tech Stack)

- Completed vocation training in application development using jQuery, AJAX, and Swift. Implemented server hosting, user authentication, and API query with NERP framework. Developed sites for Intuitus Corp, eSwatini, and Peakenet Broadband with form functionality.
- Trained at Galvanize Web Immersive to be proficient with PHP, JQuery, Bootstrap, and Materialize. Trained at the Art Institute of Las Vegas to be proficient with Adobe photoshop, illustrator, and premier. Application development for PC, MAC, Linux, Android, and iPhone.

Calvert Cliffs Nuclear Power Plant – Instrumentation Controls

2015 - 2017

Intern – Assisted Departments: Electrical, Mechanical, Instrumentation, Chemistry, Radiology

- Interned at Calvert Cliffs Nuclear Power Plant in the maintenance and 24/7 upkeep of generator 1800MWe output while attaining 4.0 GPA at College of Southern Maryland in the Nuclear Technology tracks: Electrical, Mechanical, and Instrumentation
- Assisted mechanical and electrical in maintaining instrument air compressors and motor control cubicles. Assisted instrumentation in maintenance and testing Engineering Safety Features Actuation System (ESFAS) for airgap, isolated pneumatic controls.
- Led five interns to design proof-of-concept lead impregnated shielding over spent fuel pool which provides a template for future safety innovations at Calvert Cliffs Nuclear Power Plant. Assisted chemistry to correlate injection concentration and power output.

EDUCATIONAL HISTORY

- **College of Southern Maryland:** Electrical, Mechanical, Instrumentation Associates (Completed 2017, 4.0 GPA)
- **St. Martin University:** Server and Cloud Administration – Vocational Training (Completed 2022)