

## PROFESSIONAL SUMMARY

Army and Navy veteran with security clearance providing two decades of instrumentation controls and SCADA orchestration for infrastructure organizations. Experienced in the operation of programmable logic controllers, industrial communication protocols, and software engineering (Experion, TDC300, RSLogix, TIA Portal, etc). Can work all hours in austere conditions involving heavy lifting, extreme weather, and travel.

- 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
- Honeywell Experion, TDC300, Intelligrated
- Mitsubishi GX Works3, IONICS, Genesis64
- SIMATIC STEP7, WinCC, Manager, PCS7
- Network Engineering, Packet Monitoring
- PowerShell/Linux/HTML/XML/C#/Python
- Azure, AWS, GCP Instance Management
- Sophos Endpoint, Firewall, MDR/NDR
- Ansys/AutoCad/MathCad/Solidworks
- Wiring: NFPA 79, UL 508A, IEC 60204-1

## 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.

- 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, maintaining and optimizing Allen-Bradley RSLogix controllers for Daifuku-Wynright conveyors supporting 15,000+ daily dispatches. Monitor, troubleshoot, and enhance automation systems, MHE, and control networks. Proficient in RSLogix 5000, TIA Portal PLC, Honeywell TDC300, Intelligrated, GX Works3, and Simatic Step7.

- 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 conveyor parts via Ansys, AutoCad, MathCad, and Solidworks. Ensure structural integrity via acoustic testing.
- Utilize a computerized maintenance management system (CMMS) to document work order closure and improve historical records and reliability.
- Manage virtual machines using AWS and VMWare Cloud. Manage Amazon WorkSpaces and Microsoft Group Policy Objects.
- Trained in the operation of Fisher control valves, 4-20 mA, DE protocol, HART protocol, and electro-pneumatic control loops.

### **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 (LHMB) and Mortar firing computer system (MFCS).

### **Galvanize Boulder – Application Development and UI/UX Design**

2017 - 2018

#### *Software Engineering – Node JS. Express JS. React JS. PostgreSQL (NERP 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 air-gap, 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)
- **Galvanize Boulder:** Software Engineering - Training Certification (Completed 2018)