

ERIC C. SCHWANTNER

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Network Engineer / Administrator

Lead-from-the-front network engineering professional with 20+ years' experience (including 8 years OCONUS) supporting mission-critical defense operations and technology modernization initiatives across classified and unclassified environments. Deep expertise in designing and securing LAN/WAN infrastructures, integrating advanced Cisco solutions, and administering cross-domain encryption technologies. **Successes include directing configuration and sustainment of complex multi-vendor networks, executing vulnerability remediation in alignment with DoD mandates, and managing high-stakes troubleshooting during live mission exercises.** Recognized for advancing cybersecurity posture by applying DISA STIG compliance and supporting Risk Management Framework accreditation efforts. Skilled in aligning technology platforms with operational requirements to strengthen readiness and resilience.

Network Architecture Design | Cybersecurity Risk Management | Classified Network Operations | Defense Network Compliance | Information Assurance | Risk Management Framework | Mission Network Support | Continuity of Operations | Disaster Recovery | Accreditation Support | System Hardening | Network Segmentation | Encryption Management | Access Control | Firewall Policies | Vulnerability Assessment | Intrusion Detection | Incident Response | Configuration Management | Capacity Planning | High-Availability Design | Operational Readiness | Secure Communications Support | Threat Analysis | Mitigation Strategy Development | Security Posture Enhancement | Operational Risk Assessment | Security Governance |

- ✓ Delivered impact through installation and maintenance of secure primary and alternate communication routes for organizational WAN data system and communication-based control schemes.
- ✓ Expertise includes maintenance of client/server systems, in addition to programming and hardware installation.
- ✓ Experience with Department of the Army Modification Work Order (DAMWO) installations.
- ✓ Versed in DISA STIGs.

Active Top-Secret Security Clearance • Vaccinated against COVID-19

EDUCATION

CCNA | Rivan IT Cebu – Cebu, Philippines

Electronic Systems Controls, Columbia Basin College – Pasco WA

Coursework: Electronic, Electrical, digital theory, (105 Credit Hours, Electronic Systems Controls, GPA 3.71),

SCADA network systems, Process Dynamics, Process & Motion Control, Microprocessors, Three-Phase Motor Controllers, Pneumatic and Hydraulic Functions and Controls, and Technical Writing.

CERTIFICATIONS

CCNP Enterprise, CCNA Routing & Switching, Juniper JNCIA-Junos, Cisco Certified Specialist - Enterprise Core, CompTIA Security + CE, SecurityX (formerly CASP+), Network+ CE, A+ CE, AWS Certified Solutions Architect – Associate, Palo Alto PCCET. Project +, ITIL Foundation V4. All certifications current.

PROFESSIONAL EXPERIENCE

MicroTech, Inc. – Fairchild AFB, WA

11/2024-04/2025

Senior Network Engineer

Directed design and deployment of secure LAN and WAN infrastructures supporting classified and unclassified environments. Executed network capacity planning, optimization, and performance tuning across high-demand operations. Managed firewall rule sets and access control lists across Cisco and Juniper platforms. Administered routing protocols including BGP and OSPF across enterprise and defense environments. Coordinated with DISA and external defense entities on circuit provisioning, upgrades, and fault resolution. Oversaw cryptographic devices including TACLANE for secure data transport. Conducted vulnerability assessments and applied security updates. Provided Tier-3 escalation support.

- Led incident response efforts for major outages and high-impact security events impacting mission operations.
- Managed encryption keys and compliance for COMSEC equipment.
- Produced updated network documentation and system diagrams.
- Monitored and maintained NIPR and SIPR environments using tools such as ForeScout, Junos Space, SolarWinds, ISE, and Wireshark. Integrated VoIP services into secure and non-secure systems.

Koa Lani JV LLC – Pacific Missile Range Facility (PMRF), Kekaha HI

02/2024-10/2024

Network Engineer

Configured and maintained routers, switches, firewalls, and related devices across classified and unclassified infrastructures. Operated and administered network engineering hardware and software in support of mission-critical operations. Delivered system-wide troubleshooting and remediation during both scheduled downtime and live mission activities. Coordinated with management, customer staff, and internal teams on network status, development initiatives, and compliance posture. Applied DISA STIGs across deployed systems and devices.

Designed/deployed secure LAN and WAN architectures supporting defense environments. Conducted vulnerability assessments and apply security updates. Managed firewall configurations, VPNs, and access control lists. Produced network

diagrams, documentation, and standard operating procedures. Monitored/analyzed network performance. Provided Tier-3 escalation support.

- Directed vulnerability remediation activities reducing identified risks across classified networks.
- Led secure LAN and WAN implementation projects supporting critical defense operations.
- Oversaw firewall policy development and VPN management across multiple classified domains.
- Contributed to successful RMF accreditation cycles through detailed technical documentation and audit support.
- Support accreditation and compliance efforts within Risk Management Framework processes.

General Dynamics Information Technology – Mission Training Complex (MTC), Ft. Wainwright, AK 04/2022-02/2024
Network Engineer

Modified networks and device configurations to align with requirements of individual training exercises. Managed installation, monitoring, and troubleshooting of network infrastructure. Oversaw ongoing administration of systems supporting secure and unsecure environments.

- Installed, troubleshot, and managed multi-network environments utilizing Cisco Catalyst switches, Nexus core switches, ISR routers, ASA firewalls, switch stacks, media converters, fiber optics, and VoIP systems.
- Administered closed-loop air-gapped networks across classified, unclassified, and releasable domains.
- Operated and configured TACLANE encryption/decryption devices in support of secure communications.
- Applied DISA STIGs and integrated advanced monitoring solutions including SolarWinds and Cisco Unified Communications Manager.

Akima, L.L.C. – Abu Dhabi, UAE (via Huntsville, AL) 07/2020-10/2021

Terminal High Altitude Area Defense, Contractor Logistics Support/Field Support Representative (THAAD CLS/FSR)

Operated, managed, and troubleshot multiple closed restricted networks with Tactlane network encryption/decryption; upgraded Cisco and proprietary OSs and network equipment. Provided and managed data inputs and recorded resulting actions within Repair Center database (Excel and Oracle). Recorded and maintained daily activity logs. Supported missile preventative and maintenance checks and services (PMCS). Collected, packaged, and delivered system data files from TFCC and launchers to UAE. Supported TFCC fire control and communications units.

- Contributed to system integration and checkouts (SICO) for software upgrades. Loaded software, conducted integration test, and documented results. Responded to certified test conductor (CTC) requirements.
- Supported annual surveillance of up to 144 missile rounds per year. Supported movements on tactical sites.
- Assisted with peculiar support equipment inspections and testing for corrosion issues.
- Provided guidance and assistance to support mitigation and prevention of corrosion on UAE tactical equipment.

Jones Lang LaSalle – Spokane, WA 02/2020-07/2020

Amazon Robotics Technician

Managed 3 direct and 3 indirect reports in maintaining, troubleshooting, and repairing electronic, mechanical, computer, control, and robotics / automation equipment, systems, and components of Amazon Robotic Systems in complex fulfillment / distribution center environment. Installed, maintained, and performed troubleshooting on control components, photo eyes, proximity sensors, servo drives, tachs, and encoders using knowledge of Ethernet communication modules.

- Designated as primary responder to recover failed robot drive units.
- Worked with complex high-performance PLC and computer-controlled manufacturing systems.

LOCKHEED MARTIN – Uruzgan Province, Afghanistan 2010-2013

PTDS Electrical Field Engineer Sr. / Shift Lead / Acting Site Lead

- Managed repair, maintenance and operation of aerostat Persistent Threat Detection Systems (PTDS), Intelligence Surveillance and Reconnaissance (ISR) equipment, OSRV, JSIT, GPS, IMU, IFF, EPLRS, SINCGARS, DVR, inertially stabilized electro-optic and infrared imagers.
- Oversaw Airborne ISR Collection, Reconnaissance, Surveillance, Target Acquisition (RSTA) data collection.

COMPUTER SCIENCES CORP. – Kandahar Air Base, Afghanistan 2008-2010

Electro-Mechanical Field Services Rep. Lead, Generator Experience (2010-2010)

- Oversaw operations and maintenance (O&M), troubleshooting and repair of component level of generators, JLG aerial lifts, forklifts, John Deere Gators and other mechanical equipment located at remote Afghanistan sites.

Electronics Technician / Power Generation Subject Matter Expert Camp Taji, Iraq (2008-2009)

- Improved performance and safety by eliminating power failures and system downtime related to generator operation in first 6 months. Reduced maintenance and repair times by recommending expansion of generator parts inventory.

Generator / QA-QC Inspector | URS/EG&G/ Lear Siegler Services Inc., Camp Speicher, Iraq 2007-2008

Electronics Technician/Generator Mechanic | URS/EG&G/Lear Siegler Services Inc., Camp Speicher, Iraq 2006-2007

MILITARY SERVICE

Defense Acquisition Radar Technician, US Army