

JONATHAN FRENZEL

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SYSTEM ENGINEERING | CLOUD INFRASTRUCTURE | NETWORK SECURITY | TS/SCI

Information technology professional and veteran with 6+ years of experience designing, implementing, and securing hybrid enterprise environments across classified and unclassified networks. Proven expertise in Azure cloud infrastructure, identity and access management, and endpoint security using Entra ID, Intune, and Microsoft 365. Experienced in implementing zero trust architecture, DISA STIG compliance, and RMF frameworks to support secure, mission-critical operations in high-security environments. **Active TS/SCI clearance.**

TECHNICAL SKILLS

Azure | Entra ID | Active Directory | Windows Server | Linux (RHEL) | Identity and Access Management (IAM) | Conditional Access | Zero Trust Architecture | Role-Based Access Control (RBAC) | Cloud Infrastructure | Hybrid Cloud | Microsoft 365 | SIEM | Intune | Endpoint Management | Network Security | TCP/IP | DISA STIG | RMF | NIST SP 800-53 | Cisco VoIP | Networking | ServiceNow | PowerShell | Cisco Networking | VLANs | PKI | COMSEC

PROFESSIONAL EXPERIENCE

United States Army, 160th Special Operations Aviation Regiment | *Various Global Locations*
Systems Engineer (Lead Systems Administrator) | *Ft. Campbell, KY*

July 2023 – Present

- Engineered and sustained hybrid enterprise infrastructure supporting SOCOM operations, ensuring high availability, security, and operational continuity across multi-domain environments for 800+ users.
- Automated administrative and security tasks using PowerShell, reducing manual workload and improving configuration consistency by over 30%.
- Monitored system and authentication activity using SIEM tools, enabling rapid threat detection and reducing vulnerabilities by 15% across 500+ devices while maintaining RMF and NIST SP 800-53 compliance.
- Architected and implemented hybrid identity and endpoint solutions (Entra ID, Intune, MECM), integrating on-prem Active Directory with Azure Entra ID to enforce conditional access and strengthen enterprise security posture.
- Developed SOPs, training, and technical documentation, improving team capability and operational continuity for 12+ personnel.
- Configured and sustained SATCOM and tactical communications systems, including Harris AN/PRC-163 and AN/PRC-167 radios, managing COMSEC keying material and secure transmission protocols to ensure secure, encrypted communications in isolated operational environments, supporting 30+ users.

United States Army, 160th Special Operations Aviation Regiment | *Various Global Locations*
Systems Support Technician | *Ft. Campbell, KY*

July 2021 – July 2023

- Provided Tier II/III support for 800+ users across SOCOM multi-domain environments, maintaining identity, endpoint, and network infrastructure systems.
- Resolved 90% of incidents through structured troubleshooting and process improvements, reducing downtime and improving service reliability.
- Administered Active Directory, group policy, and access controls, enforcing least privilege and zero trust across NIPRNET and SIPRNET systems for 800+ users.
- Implemented secure network access solutions, ensuring reliable authentication and mission-critical connectivity for 800+ users.

EDUCATION / CERTIFICATIONS

BA | Information Technology | Southern New Hampshire University | July 2026

AS | Information Technology | Southern New Hampshire University | March 2026

CompTIA Security+ | **CompTIA Network+** | **CompTIA Linux+** | **CompTIA CySA+** | **Microsoft Azure Administrator Associate (AZ-104)** | **Microsoft Azure Fundamentals (AZ-900)** | **Microsoft Security, Compliance, and Identity Fundamentals (SC-900)** | **Cisco Certified Network Associate (CCNA)** – In Progress

DoD 8570 / 8140 IAT Level II | **DoD 8570 / 8140 IAM Level I** | **DoD 8570 / 8140 CSSP**

PROJECTS

AWS EC2 Linux Server & Secure Database Deployment

- Deployed and maintained a cloud-hosted web application on an Ubuntu-based AWS EC2 instance, utilizing SSH for remote administration, Linux system configuration, recovery, and service restoration to maintain operational continuity.
- Designed and implemented a structured SQL database aligned with an enterprise ERD, enabling secure data ingestion, storage, and retrieval while resolving configuration and data integrity issues.

IoT Network Architecture Analysis & Security Enhancement Design

- Analyzed a cloud-connected IoT environment, identifying vulnerabilities impacting confidentiality, integrity, and availability across network infrastructure; aligned with Zero Trust, defense-in-depth, network segmentation, and secure network architecture principles.
- Developed security improvements including VLAN segmentation, access control, firewall integration, and device hardening to reduce attack surface, limit lateral movement, and align with NIST SP 800-53 and RMF best practices.

VOLUNTEER & COMMUNITY INVOLVEMENT

FIRST Robotics Competition – Team 319

Mentor / Alumni

2019 – Present

- Mentored 8–12 high school students in robotics, coding, and engineering design, fostering STEM education and teamwork.
- Supported troubleshooting, project management, and presentation skills, helping the team qualify for regional competitions.

Nightstalker Association

Volunteer / Member

2022 – Present

- Coordinated logistics, fundraisers, and events supporting active-duty service members, veterans, and families of fallen Night Stalkers and Gold Star families.
- Promoted morale, mentorship, and unit heritage through community outreach.

ADDITIONAL TRAINING

Basic Airborne Course | Basic Leadership Course | Survival, Evasion, Resistance, and Escape (SERE) Level C |
Extensive training in DoD EO / EEO and SHARP programs

AWARDS & HONORS

Army Commendation Medal (2x) | Army Achievement Medal (4x) | Good Conduct Medal | National Defense Service Medal | Global War on Terrorism Service Medal | Army Service Ribbon | Non-Commissioned Officer Professional Development Ribbon