JONATHAN (JON) FENN

Phone: 208-803-7230 | **Email:** jonfenn@jonfenn.com | **Location:** Caldwell, ID

Portfolio: jonfenn.com

Security Status: HSPD-12 / Public Trust Eligible (Investigation in Progress / Letter of Advisory Granted)

Hiring Eligibility: Schedule A (5 CFR 213.3102(u)) – Non-Competitive Hiring Eligible

EXECUTIVE SUMMARY

Dual Master 's-level Cybersecurity and Software Engineering professional with over 20 years of experience in high-stakes industrial systems and federal IT infrastructure. Expert in **Security Architecture**, Zero Trust frameworks, and virtualized system design. Specializing in bridging the gap between legacy industrial environments and modern, secure software ecosystems. Proven track record of managing complex logical systems where system integrity and uptime are mission-critical.

TECHNICAL CORE COMPETENCIES

- **Architecture & Strategy:** NIST Risk Management Framework (RMF), Zero Trust Architecture (ZTA), FISMA Compliance, Identity & Access Management (IAM).

- **Security Engineering: Nginx (Secure Reverse Proxy)**, **Certbot (SSL/TLS)**, Ethical Hacking (CEH), Vulnerability Management, Endpoint Security, S-SDLC.

- **Virtualization & Logic:** Advanced Virtual Machine (VM) Orchestration, Active Directory (AD) Forest Design, Group Policy (GPO), Network Logical Topology.

- **Development & Automation:** Secure Coding (Python, C#), Git Version Control, Infrastructure as Code (IaC), CI/CD (DevOps).

EDUCATION & CERTIFICATIONS

- **M.S. in Software Engineering (DevOps Specialization)** | Western Governors University | *Expected 2027*

- **M.S. in Cybersecurity & Information Assurance** | Western Governors University | *Dec 2023*

- **B.S. in Computer Science** | Northwest Nazarene University | *May 2019*

- **Certifications:** Certified Ethical Hacker (CEH), CompTIA Network+, AWS Cloud Practitioner.

PROFESSIONAL EXPERIENCE

DecisionPoint (Federal Contractor) | Boise, ID

Desktop Support Technician (Tier 2) | *Dec 2025 – Present*

- **Security Governance:** Implement and enforce federal security baselines across a complex enterprise network, ensuring all endpoints meet strict compliance standards.

- **Identity Management:** Administer user permissions and security groups within Active Directory, enforcing the Principle of Least Privilege (PoLP) to reduce the agency's attack surface.

- **Virtual Systems Support:** Manage and troubleshoot virtualized environments and secure remote access protocols for a federal workforce.

- **Compliance:** Maintaining active Public Trust suitability with an investigation currently in progress and a Letter of Advisory granted.

Amalgamated Sugar Company | Nampa, ID

Control Room Operator / Assistant Chemist | *Oct 2002 – Sep 2024*

- **Critical Infrastructure Management:** Managed the monitoring of 200+ SCADA/ICS logical system screens, ensuring 24/7 operational continuity of complex industrial control systems.

- **Logic-Based Troubleshooting:** Diagnosed and resolved systemic failures in high-pressure environments, maintaining system integrity through rigorous data analysis and technical precision.

- **Regulatory Compliance:** Conducted high-precision auditing and laboratory testing to ensure system outputs met federal and state safety regulations.

TECHNICAL PROJECTS & LAB RESEARCH

Enterprise-Scale Virtualization Lab (In Development)

- Designing a high-performance 128GB RAM virtualization environment to simulate complex federal "Zero Trust" network architectures.

- Utilizing the lab for auditing Active Directory vulnerabilities, testing secure code deployments, and practicing network segmentation within isolated virtual subnets.

Secure Portfolio Architecture (jonfenn.com)

- **Infrastructure:** Architected and deployed a professional web presence using **Nginx** as a secure reverse proxy and **Certbot** for automated SSL/TLS certificate management.

- **Security Control:** Configured automated HTTPS enforcement and encryption headers to ensure 100% encrypted traffic and protection against man-in-the-middle attacks.

- **Management:** Implements version-controlled documentation management to demonstrate technical transparency and system organization.