

**CASEY MILES**

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**PURPOSE STATEMENT**

Proven network engineer, cybersecurity specialist, and AI automation expert with over 20 years of experience in designing and managing secure, scalable network infrastructures, integrating AI-driven automation, and leading high-performance computing (HPC) and big data initiatives. Extensive background in enterprise IT, federal cybersecurity compliance, and business leadership. Veteran with prior TS/SCI clearance, eligible for future clearance. Seeking senior-level roles in network architecture, cybersecurity, AI automation, and IT strategy in San Diego.

**CORE COMPETENCIES**

Network Engineering & IT Infrastructure	Workflow Automation (Make.com, N8N, AI Scripting)
IP Network Design, Routing & Switching (Cisco, Brocade, Foundry Networks)	AI-Based Network Performance Optimization
Enterprise IT & Cloud Infrastructure (AWS, Azure, On-Prem)	High-Performance Computing (HPC) & Big Data
High-Availability & Redundant Network Architectures	HPC Cluster Design & Optimization
BGP, OSPF, MPLS, VXLAN, SDN, Network Security	Data Center Networking & Supercomputing
Cybersecurity & Compliance	Big Data Analytics & AI Integration for HPC Workloads
Secure Enterprise Network Hardening	Executive & Entrepreneurial Leadership
Zero Trust Architecture, Identity & Access Management	IT & Cybersecurity Strategy Development
Incident Response & Threat Mitigation	Multi-Million Dollar Business Growth & Operations
AI & Automation	Vendor, Contract, & Regulatory Compliance Management
AI-Driven Business & IT Process Automation	Business Intelligence, Risk Management, & Strategic Business Planning
AI Network Security & Predictive Analytics	

**PROFESSIONAL EXPERIENCE**

*Functional Resume, experience is listed in order of relevance for desired roles.*

**Brocade Communications**

*Senior Manager, HPC & Big Data Programs | San Diego, CA | 2008 – 2013 | 40+ hours/week*

- Managed high-performance computing (HPC) infrastructure and big data solutions for federal agencies, national laboratories, and enterprise clients.
- Led \$40M+ in IT projects, optimizing network performance for HPC and big data applications.
- Designed high-speed, redundant network infrastructures for large-scale data processing.
- Worked directly with national laboratories to implement compute cluster resources for scientific research.

**Foundry Networks (Acquired by Brocade)**

*Federal Solutions Engineer | Germany & US | 2003 – 2008 | 40+ hours/week*

- Deployed secure network architectures for U.S. military bases, intelligence agencies, and federal agencies.
- Designed and deployed military-grade network solutions for mission-critical IT environments.
- Provided technical leadership on federal RFP responses, securing multi-million-dollar contracts.
- Developed secure, scalable network topologies for high-availability government networks.

**United States Air Force**

*Network Engineer (E5 – Staff Sergeant) | Offutt AFB, NE | 1996 – 2003 | 40+ hours/week*

- Served as the lead network engineer for the USAF Weather Agency, ensuring mission-critical operations.
- Maintained a 4,000-node network, ensuring high availability and secure communications.
- Awarded Air Force Commendation Medal for outstanding IT leadership and crisis management.

**Multipack, LLC**

*Senior Vice President & General Manager | San Diego, CA | 2013 – 2022 | 50+ hours/week*

- Founded and grew a beverage contract packaging company, from inception to over \$18M in annual revenue.
- Led the construction and setup of a 100,000 sq. ft. production facility, overseeing all aspects of permitting, licensing, and equipment installation.
- Managed day-to-day operations, including production planning, procurement, manufacturing, quality, distribution, contracts, and customer service.
- Built high-performing teams and drove cultural change to enhance productivity and performance.

**Square House, LLC**

*CEO & General Manager | San Diego, CA | 2022 – 2024 | 50+ hours/week*

- Led the launch and scaling of a beverage co-packing operation, integrating automation and AI-driven process improvements.
- Managed all aspects of business, procurement, production and operation.
- Experienced rapid growth and multiple early multi-million dollar offers.

**Miles Professional Services, LLC**

*Founder & Executive Consultant | San Diego, CA | 2020 – Present | 50+ hours/week*

- Provides AI-driven automation, cybersecurity, and network infrastructure consulting to businesses in CPG, order fulfillment, compliance, and manufacturing industries.
- Developed and deployed AI-powered automation workflows, reducing manual workload by 40% for clients.

- Provided network engineering and security consulting for businesses undergoing digital transformation.
- Led compliance initiatives to ensure federal, state, and industry regulations were met.

## EDUCATION

- **Master of Business Administration (MBA)** – University of California, Irvine | 2014
- Bachelor of Science in **Management Information Systems** – Bellevue University | 2003
- Associate Degree in **Information Systems Technology** – CCAF | 2001

## CAREER CERTIFICATIONS

- Certified Business Intelligence Professional (CBIP)
- Brocade Certified Network Engineer (BCNE)
- Brocade Certified Network Professional (BCNP)
- Foundry Networks Certified Network Engineer (FCNE)
- Cisco Certified Network Associate (CCNA)
- Cisco Certified Network Professional (CCNP)
- Certified Network Expert (CNX) – Sniffer Pro
- Sun Systems TCP/IP Certified

*Note: All certifications listed as career achievements, as they are currently inactive.*

## PUBLICATIONS

- **Keeping the Books** – Managing & Understanding Company Financials for Entrepreneurs & Investors. Covers General Ledger, P&L, Balance Sheet, and Discounted Cash Flow (DCF) analysis. Copyright 2023, MPS LLC
- **AI & National Security**. Working Paper: Explores the applications of AI in cybersecurity, military strategy, and intelligence operations. Copyright 2024, MPS LLC

## SECURITY CLEARANCE & ADDITIONAL INFORMATION

- Veteran with prior TS/SCI clearance – Eligible for reactivation.
- San Diego-based; open to relocation for high-impact opportunities.
- Available for full-time executive and senior technical leadership roles.

## SANDBOX: [www.BestBusinessLessons.com](http://www.BestBusinessLessons.com)

*This is a personally maintained site for uploading publically available projects. Non-Professional.*

Upon request, I can build and provide examples that could include:

- An Android App that uses Ai to provide configurations for any network device
- An Ai Automation Agency (AAA) that actively watches network devices for intrusion attempts and dynamically deploys countermeasures
- Any other Books, Webpages, Apps, Videos/Animations, Presentations, Processes, Ai generative items, and Automations.
- Business automation tools that may include finding new clients, scraping websites for current information, email and text automation, supply chain quoting automation, data sorting/parsing/formatting, social media automation, and specific purpose applications.