



Viking Net LLC is a two-person small business that builds and secures it all: **networks, custom hardware, drones, software, encrypted offline comms, and air-gapped AI**, from the cabling in the wall to the agent on the server. Owner-operated and cleared-eligible, backed by **20+ years on classified DoD and Intelligence Community networks worldwide** (Air Force Cyber, DISA, NGA, plus the Army and Marines). No engineer layers, no overhead, no subcontractor markup: **faster builds, lower cost, and the option to run everything fully offline**, isolated from the internet. Delivering nationwide and worldwide from a San Antonio (JBSA) home base.

CORE COMPETENCIES

Secure Network and Systems Engineering, Global Infrastructure. Cisco IOS and Juniper JUNOS, fiber and structured cabling, firewalls, VPN, IDS/IPS, and VoIP (CUCM). Custom Wi-Fi; VSAT, microwave, and Starlink transport; global Point-of-Presence and data-center standup; DISA circuit provisioning end to end, including link activation.

Classified, Cross-Domain, and Zero-Trust Security. TACLANE (Type 1 HAIPE) encryption across NIPR, SIPR, JWICS, CENTRIXS, and NATO Secret; Tailscale and zero-trust access; COMSEC, STIG hardening, cross-domain and data-spillage remediation; SIEM. Post-quantum cryptography in active development.

Offensive and Defensive Cyber, Custom Hardware. Penetration testing and red-team operations with custom software payloads built for offensive effect, matched by defensive hardening, monitoring, and incident response. Field-built cyberdecks that scan Wi-Fi, RFID, and Bluetooth, detect UAVs across military and unpublished bands, and apply selective per-band jamming, with onboard compute and AI tooling. Additive manufacturing (3D printing) for rapid prototyping. For authorized government and red-team use.

AI Engineering and Custom Agents, air-gapped capable. Mission-built AI agents for office, data-center, network, and full-system-analysis roles, run fully offline or firewalled when connected. Persistent AI memory and intelligent routing that sends each task to the right model. Automated research agents scan the global model landscape three times a day for the best text, vision, and OCR models; we know their quantization, loading, and tradeoffs cold, and pool multiple machines into a single AI brain with software load balancing.

Software, Applications, and Autonomous Systems. Full-stack in every major language (Python, PHP, C++, C# and .NET, JavaScript, TypeScript, PowerShell, Bash) and framework (Laravel, Tailwind). Native apps for every Apple platform via Xcode (macOS, iOS, iPadOS, tvOS, visionOS) and Android. Custom drones (Arduino and bespoke) with LiDAR and AI payloads.

Secure Comms, Storage, and Smart Infrastructure. Encrypted voice, video, and messaging hosted fully offline that still reaches your people anywhere in the world without touching the open internet. NAS and SAN storage at every scale, from a small-office unit to enterprise arrays; rsync, GFS backup and pruning, AWS and AWS GovCloud; virtualization from lightweight to enterprise. Offline access control and smart surveillance; OSINT and forensics via Viking Net Defense.

DIFFERENTIATORS

- ▶ **Build anything, run it anywhere, even fully offline.** Hardware, software, AI, comms, and networks designed to operate air-gapped or guardrailed where cloud is a non-starter.
- ▶ **Full stack, low footprint.** One small team covers cabling to AI. No engineer layers, no overhead, no markup, no coordination drag.
- ▶ **Faster, cheaper, and yours to keep.** Deployed in days, custom-built so there are no recurring vendor subscription or license fees. Service contracts available, never required.
- ▶ **Cleared-eligible, forward-leaning, global.** DoD TS/SCI eligibility, reinstatement-eligible. Pioneering R&D in AI drones and post-quantum crypto. Delivering nationwide and worldwide, with San Antonio (JBSA) as the rapid-response home base.

PRINCIPAL EXPERIENCE (KEY PERSONNEL: ERIC CECH, OWNER)

U.S. Air Force / AFCYBER, Lackland AFB - Network Engineer via DTSI, 2020 to present. Worldwide Cyber 1st Mile connections; protected ISP and DISA network monitoring; Tier 2/3 resolution; fiber infrastructure mapping.

National Geospatial-Intelligence Agency (NGA), Afghanistan - Lead Network Engineer via CACI, 2016 to 2019. Multiple years in the Intelligence Community; built cross-domain firewalls that let agencies share data directly; TACLANE tunnels; COMSEC manager across three enclaves.

U.S. Army, JMRC Germany via Raytheon, nearly seven years 2004 to 2010 · **USMC Regional Command Southwest,** Afghanistan via Rockwell Collins, 2012 to 2013 (NIPR/SIPR/CXI, TACLANE, UAV video). Full job-by-job detail on page 2.

GOVERNMENT AND ACQUISITION FLUENCY

On most programs the build is not the long pole; the approval and coordination pipeline is. Across 20+ years inside Air Force Cyber, DISA, NGA, and joint commands, deep in the Intelligence Community and its three-letter agencies, we learned how the government actually moves, and how to make it move faster, building the cross-domain firewalls that let one agency share data directly with another and connecting units to accomplish the mission without the delay these missions cannot afford. Viking Net engineers end to end in days, then works the pipeline with lived-in fluency: who signs, in what order, and how to clear it as fast as the mission demands.

COMPANY DATA

UEI	LQ25PZPB7MW3
CAGE	In process SAM
SIZE	Small Business SB
ENTITY	Texas single-member LLC, est. 2025
LOCATION	San Antonio, TX (JBSA) home base
REACH	Nationwide and worldwide

CERTIFICATIONS

CCNP · CCNA · CEH · Security+ CE · AWS Cloud Practitioner · DoD 8570 IAT II · A+ CE

CLEARANCE

DoD **TS/SCI** eligibility, reinstatement-eligible. 20+ years on Strategic, Tactical, NATO, and IC classified networks; TS/SCI with CI polygraph held. English / German fluent.

NAICS CODES

541512 Computer Systems Design (**primary**)
541511 Custom Computer Programming
541519 Other Computer Related Services
541690 Scientific and Technical Consulting
541330 Engineering Services
 Small business under all listed size standards.

POINT OF CONTACT

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CAREER HISTORY

U.S. Air Force / AFCYBER · Network Engineer via DTSI 2020 to Present

Install, manage, and troubleshoot Air Force Cyber 1st Mile connections across networks worldwide. Tier 2/3 diagnosis with operational crews, government, and commercial ISPs. Monitoring for protected ISP, DISA-procured, and extension networks; quarterly audits and Layer 1 fiber infrastructure maps.

Natl Geospatial-Intelligence Agency (NGA) · Lead Network Engineer via CACI 2016 to 2019

Multiple years embedded in the Intelligence Community across Afghanistan. Managed 15 sites; built cross-domain firewalls that let one agency share data directly with another, connecting units and accelerating work that used to take weeks. Lifecycled Cisco to Juniper; configured ACLANES; COMSEC Manager for the AOR across three enclaves.

Defense Health Agency (DHA) · Sr. Network Engineer via ECS Federal 2019 to 2020

Migrated medical devices from MTF service networks to the DHA MedCOI network. IP planning, ports/protocols/services creation, and device positioning within the DHA security architecture; firewall rule-set interpretation.

U.S. Air Force · Network Security Engineer via Cyber Net Force 2015 to 2016

Architected voice and data network designs. Developed tools to protect Air Force Gateways; deployed Information Operation Platforms (IOP) across all gateways; ESXi and VMware; researched and deployed Technical Control Network Orders (TCNOs).

U.S. Air Force · Network Engineer (IDS/IPS) via CSC 2014 to 2015

Managed McAfee IDS and IPS; ensured traffic flow through ArcSight, Fidelis, and Solera. Troubleshoot Air Force Gateways worldwide; SolarWinds monitoring; security log analysis and internal-violation reporting.

U.S. Army MCTC / BCTC · Network Engineer via CSC 2013 to 2014

Mission and Battle Command Training Center networks; ensured interoperability across simulation systems. Deployed and configured VSAT terminals; evaluated, tested, and documented network technology baselines.

USMC Regional Command Southwest · Network Admin via Rockwell Collins 2012 to 2013

Configured Cisco routers and switches across NIPR/SIPR/CXI; managed 45 Area Distribution Nodes and 800 access switches. Configured ACLANES and GBS feeds for mission-critical UAV video. STIG compliance; investigated Cross Domain Violations.

ISAF / Kandahar · Lead Help Desk Administrator via ITT Systems 2010 to 2012

Supervised install, config, and repair of thousands of systems across multiple networks. Led the AOR tactical-to-strategic migration across three enclaves; data-spillage recovery and remediation; Exchange 2007 and Active Directory.

U.S. Army JMRC, Germany · Live Training Technician via Raytheon 2004 to 2010

Nearly seven years supporting U.S. Army Joint Multinational Readiness Center training. Access Control Special Security Representative. Deployed mobile training facilities including fiber installs; microwave shots for combat-camera feeds; V-Bricks and MILES; systems admin for 150+ users.

TECHNICAL CAPABILITIES

LANGUAGES & FRAMEWORKS

Python, PHP, C++, C# and .NET, JavaScript, TypeScript, PowerShell, Bash, SQL; Laravel, Tailwind CSS

OS & APP PLATFORMS

Linux (Red Hat, CentOS, Ubuntu), Windows, macOS, custom builds; native apps via Xcode for macOS, iOS, iPadOS, tvOS, visionOS, plus Android (App Store or private, buildable air-gapped)

NETWORK & TRANSPORT

Cisco IOS, Juniper JUNOS, fiber, structured cabling, custom Wi-Fi, VSAT, microwave, Starlink, VoIP / CUCM; global PoP and data-center standup; DISA provisioning

SECURITY & CRYPTOGRAPHY

TACLANE (Type 1 HAIBE), COMSEC, STIG, IDS/IPS, zero-trust / Tailscale, post-quantum (in dev), risk management, access control

SECURE COMMS

Encrypted voice, video, and messaging hosted fully offline; end to end encrypted; globally reachable without touching the open internet

OFFENSIVE, DEFENSIVE & RF HARDWARE

Custom attack payloads and tooling; defensive hardening, detection, and response; custom cyberdecks; Wi-Fi, RFID, Bluetooth scanning; UAV and signal detection (military and unpublished bands); selective per-band jamming; onboard compute and AI; 3D printing

AI, AGENTS & AUTOMATION

Mission-built agents; persistent AI memory; intelligent multi-model routing; automated model research 3x daily (text, vision, OCR); quantization, loading, and model-selection expertise; multi-machine pooling into one AI brain with load balancing; fully offline; LLM operations; data pipelines

STORAGE & BACKUP

NAS and SAN, rsync, GFS retention and pruning, snapshots and replication; AWS and AWS GovCloud; lightweight to enterprise

AUTONOMOUS & SMART SYSTEMS

Custom drones (Arduino and bespoke) with LiDAR and AI payloads; offline access control (door, magnetic, smart locks, multi-factor); smart surveillance

VIRTUALIZATION & MONITORING

VMware, ESXi, Docker, Kubernetes; SolarWinds, ArcSight, Fidelis, Solera, McAfee, Symantec

NETWORKS OPERATED

NIPR, SIPR, JWICS, CENTRIXS, NATO Secret, CXI, DISA, MedCOI

CERTIFICATIONS & EDUCATION

CCNP · CCNA · CEH · Security+ CE · AWS Cloud

Practitioner · DoD 8570 IAT II · A+ CE

Cleveland Institute of Electronics, A.S. Information Technology and Systems Management. English / German fluent.

ENGAGEMENT MODELS

Three ways to put Viking Net to work. Corp-to-corp subcontract: Viking Net delivers under your prime and both sides build past performance. **1099 consultant for cleared tasking:** under 32 CFR 117.10(m) a consultant is treated as an employee of the using contractor for security purposes, so the prime sponsors the clearance and Viking Net needs no facility clearance. **W2 placement** when speed matters most. Custom-built delivery means no recurring vendor license or subscription fees; service contracts are available, never required.