

JOHN R. GALLAGHER

Network Security Engineer | Software Developer | AI Agent & Infrastructure Specialist | Avionics
(832) 224-1001 • spinets-twist-0v@icloud.com • Kingwood, TX

PROFESSIONAL SUMMARY

Results-driven Network Security Engineer and Full-Stack Developer with 15+ years designing, implementing, and securing enterprise network infrastructures. Combines deep expertise in cybersecurity and systems administration (MCSE, A+) with modern software development, self-hosted infrastructure, and AI agent systems. Hands-on experience deploying and extending OpenClaw autonomous agents, building with Claude Code + Lovable workflows, and running production Docker/Postgres stacks on VPS. Also brings practical avionics installation and ADS-B/SDR experience. Unique blend of network engineering, software development, blockchain/Web3 analysis, and aviation systems.

CORE COMPETENCIES

Network Security

- Firewall, IDS/IPS, VPN, Tailscale
- Active Directory & Domain Admin
- Cisco, VLANs, Subnetting, BGP/OSPF
- Vulnerability Assessment & Audits

Blockchain & Finance

- Web3, DeFi, Smart Contracts
- Crypto market analysis & PineScript
- Portfolio risk & technical indicators

Software & DevOps

- Full-Stack Web & API Integration
- Docker, Postgres/Supabase, Nginx
- VPS (Linux/Ubuntu), Certbot SSL
- Python, C++, PineScript, HTML, Git

Avionics & Aviation

- Avionics installation & testing
- Pitot-static system certification
- ADS-B tracking & SDR

AI Agents & Systems

- OpenClaw (deploy, skills, workflows)
- Claude Code + Lovable workflows
- Prompt engineering for agents
- Self-hosted local AI infrastructure

Certifications

- MCSE
- CompTIA A+
- Citrix & MCP

PROFESSIONAL EXPERIENCE

Lonestar Aircraft Service

Jan 2026 – Jun 2026

Avionics Installer

- Performed avionics installations on general aviation aircraft
- Conducted pitot-static system testing and certification checks
- Applied precision troubleshooting and technical documentation to aircraft systems

Kingwood IT | Kingwood, TX

2024

Lead Technician

- Served as Lead Technician, managing a team of technicians and overseeing day-to-day technical operations
- Provided advanced on-site support across Apple and multi-platform environments for business and residential clients
- Resolved complex hardware and software issues while maintaining high customer satisfaction and team performance

Simply Honest Mobile | Kingwood, TX

2022 – 2024

Computer & Mobile Device Repair Specialist

- Performed advanced hardware repairs, component-level diagnostics, and custom modifications
- Executed critical data recovery and secure data migration for business and personal clients
- Provided on-site technical support and circuit-board level troubleshooting

Self-Employed | Remote

2019 – 2024

Web3 Consultant & Blockchain Specialist

- Consulted on Web3 projects, smart contract implementations, and blockchain integrations
- Conducted cryptocurrency market analysis and developed custom PineScript trading indicators
- Advised clients on crypto portfolio diversification and risk management strategies

Self-Employed | Remote

2012 – 2017

Network Technology Consultant

- Designed and implemented secure network infrastructures (firewalls, VPNs, access controls) for SMBs
- Conducted network audits, vulnerability assessments, and managed ongoing IT security contracts

Earlier Experience: Network Administrator – Chemtran USA (2009–2012) & Kingwood Dental Care (2003–2012) • Database Administrator & Web Solutions – 1dayEbiz/Dealer-Made (2005–2008) • IT/Network Technician – Net-Tech Services (2005)

PERSONAL & PRIVATE PROJECTS

Frameworkx — Crypto Analytics Platform

- Built multi-source crypto analytics platform integrating CoinGecko, TokenMetrics, DefiLlama, Polymarket, and ScrapingDog/X feeds
- Implemented AI ensemble analysis, real-time WebSockets, and geopolitical risk overlays
- Migrated backend from Supabase Cloud to self-hosted Docker on Hostinger KVM2 VPS; configured Nginx/Certbot SSL, Cloudflare DNS, and automated Postgres backups

SEO Tracker — Local SEO Toolkit

- Architected Dockerized local SEO toolkit with geo-grid map-pack rank tracking, Google Business Profile metrics, and NAP citation checks on dedicated Postgres

ADS-B Flight Tracker & Infrastructure Networking

- Built web-based flight tracker with custom amber CRT-style visualization for local ADS-B coverage
- Developing Raspberry Pi Zero 2 W ADS-B receiver with SSD1306 OLED display
- Deployed Tailscale mesh networking across VPS, home network, and ADS-B devices using subnet router pattern

EDUCATION & CERTIFICATIONS

Associate of Applied Science – Network Administration | North Harris Montgomery Community College | 2004

Certifications: MCSE (Microsoft Certified Systems Engineer) • CompTIA A+ • Citrix Certified Professional • MCP

Continuous Learning: Penetration Testing • Web3 Technologies • AI Agent Systems (OpenClaw, Claude Code) • Cloud & Self-Hosted Infrastructure (Docker, Supabase, VPS)