

Linton S. Wildgoose

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Senior Wireless Network Engineer | Cisco 9800 | Fortinet | RF Design | Infrastructure Automation

PROFESSIONAL SUMMARY

Senior Network Engineer and Wireless Consultant with 10+ years of experience designing, troubleshooting, optimizing, and supporting enterprise network infrastructure across Cisco and Fortinet environments. Deep technical background in enterprise wireless architecture, RF analysis, packet-level troubleshooting, Cisco Catalyst 9800, AireOS, Cisco ISE, Catalyst Center, FortiGate, FortiSwitch, and FortiAP platforms. Experienced with large-scale production networks, controller-based wireless, distributed branch deployments, secure access, segmentation, authentication flows, and infrastructure modernization. Recently expanded into Python-based automation, browser automation, APIs, SQLite, and AI-assisted workflow tooling to improve reporting, monitoring, validation, and operational efficiency.

TECHNICAL SKILLS

Wireless and RF Engineering <ul style="list-style-type: none">- Enterprise Wi-Fi design, troubleshooting, validation, and optimization- Cisco Catalyst 9800, AireOS, IOS-XE Wireless, AP join, CAPWAP, RF profiles- Fortinet FortiAP, FortiGate wireless controller, FortiSwitch, FortiLink- Predictive surveys, AP-on-a-Stick surveys, post-validation surveys, Ekahau AI Pro, Sidekick v2- Roaming, 802.11r/k/v, sticky clients, retries, SNR, airtime, CCI, capacity planning	Infrastructure and Security <ul style="list-style-type: none">- Cisco ISE, 802.1X, EAP-TLS, RADIUS, NAC, guest access, BYOD, segmentation- DHCP, DNS, VLANs, QoS, switching, controller mobility, high availability, SSO- Software lifecycle planning, bug scrubs, vulnerability reviews, upgrade risk reduction- Voice-ready WLAN, high-density wireless, medical and IoT device support
Troubleshooting and Analysis <ul style="list-style-type: none">- Wireshark, wired captures, over-the-air captures, client traces, controller debugs- Catalyst Center, WLC telemetry, controller logs, FortiManager, FortiAnalyzer- Root cause analysis across RF, client, controller, AAA, DHCP, DNS, switching, and policy layers	Automation and AI Tooling <ul style="list-style-type: none">- Python, REST APIs, JSON, SQLite, Playwright, browser automation- Data collection, reporting automation, verification workflows, deduplication, logging, retries- AI-assisted workflows using ChatGPT, Claude, Gemini, Codex, Goose, and OpenClaw

CERTIFICATIONS

- Cisco Certified Network Professional (CCNP) Wireless - Cisco, 2026

PROFESSIONAL EXPERIENCE

Cisco Systems - Senior Wireless Consultant

May 2024 - March 2026

- Led architecture reviews, wireless optimization engagements, and best-practice assessments for enterprise Cisco wireless environments using Catalyst 9800 controllers, modern Cisco APs, Cisco ISE, and Catalyst Center.
- Designed, reviewed, and validated wireless networks for scale, resiliency, roaming, secure access, high availability, and long-term operational stability.
- Performed predictive surveys, AP-on-a-Stick surveys, and post-validation surveys using Ekahau AI Pro and Sidekick v2 across environments ranging from mid-size sites to facilities exceeding 2M square feet.
- Troubleshot complex RF and client issues including poor SNR, coverage gaps, co-channel interference, high retries, sticky clients, roaming failures, airtime congestion, and latency-sensitive application issues.
- Analyzed controller logs, client traces, packet captures, telemetry, and RF data to isolate problems spanning wireless, switching, DHCP, DNS, RADIUS, authentication, and upstream infrastructure.
- Advised customers on high-density Wi-Fi, voice readiness, medical device support, IoT connectivity, guest wireless, secure segmentation, and enterprise WLAN design strategy.
- Supported modernization from legacy wireless platforms and older software baselines to current Cisco IOS-XE wireless architectures, including HA/SSO validation, code selection, and upgrade risk reduction.
- Conducted proactive bug scrubs, software lifecycle reviews, and security advisory analysis to reduce exposure to known defects and vulnerabilities.
- Produced executive-ready findings, technical reports, and remediation plans that translated complex wireless issues into clear action items for engineering teams and leadership.

Fortinet - Wireless and Switching Network Support III, eTAC

August 2021 - May 2024

- Served as an escalation engineer for enterprise customers using FortiGate, FortiSwitch, FortiAP, FortiManager, and FortiAnalyzer platforms.
- Troubleshot complex wireless and switching issues involving CAPWAP, FortiLink, VLAN design, DHCP, client onboarding, authentication, RF behavior, and policy enforcement.

- Supported both distributed and controller-managed wireless deployments across enterprise, branch, and multi-site environments.
- Reviewed wireless survey results, AP placement, channel design, coverage gaps, capacity concerns, and RF health to improve client experience and reduce repeat incidents.
- Performed packet-level and control-plane analysis to isolate intermittent or difficult-to-reproduce issues that were not visible through basic monitoring.
- Helped customers validate architecture decisions, software selections, Fortinet best practices, and deployment strategies.
- Used FortiManager and FortiAnalyzer workflows to improve visibility, standardization, reporting, and operational repeatability.
- Authored technical documentation, troubleshooting notes, and escalation guidance for internal and customer-facing use.
- Mentored junior engineers on RF fundamentals, packet analysis, wireless troubleshooting methodology, and structured root cause investigation.

Cisco Systems - Wireless Technical Consulting Engineer

March 2016 - August 2021

- Delivered advanced technical support for global enterprise customers operating Cisco AireOS and IOS-XE wireless LAN controller environments.
- Troubleshot complex wireless cases involving AP join failures, CAPWAP establishment, DHCP, DNS, RADIUS, 802.1X, client onboarding, roaming, mobility, and RF performance.
- Supported wireless deployment models including Local Mode, FlexConnect, Mesh, bridge scenarios, and Workgroup Bridge.
- Performed wired and over-the-air packet captures to validate client, AP, controller, and infrastructure behavior in production environments.
- Analyzed controller debugs, logs, packet captures, client state transitions, and authentication flows to identify root cause and restore service.
- Collaborated with TAC peers, escalation engineers, and product teams on complex defects, edge cases, and large-scale customer-impacting issues.
- Guided customers through best practices for controller configuration, AP behavior, mobility groups, RF tuning, authentication, and Cisco ISE integration.

Global Tel Link Corporation - NOC Technician

May 2012 - March 2016

- Monitored and supported VoIP, PBX, and network-connected communications systems across distributed correctional facility environments.
- Troubleshot service-impacting voice and network issues involving jitter, packet loss, latency, RTP quality, gateway instability, and QoS degradation.
- Assisted remote teams and field technicians with circuit issues, hardware/software integration, PBX-related incidents, and server connectivity problems.
- Coordinated escalations, validated service restoration, and helped maintain uptime for operationally sensitive communication systems.

SELECTED TECHNICAL PROJECTS

Job Discovery Automation Platform - Python, JSON, SQLite, Playwright

- Designed and built a Python-based workflow to discover, normalize, score, verify, and report on job postings collected from company career pages and ATS platforms.
- Implemented validation logic to detect stale links, verify posting availability, and reduce false positives before surfacing opportunities for review.
- Built deduplication and persistence workflows using structured JSON and SQLite to support repeatable runs and historical tracking.
- Created modular stages for discovery, verification, scoring, persistence, and reporting with practical reliability patterns such as retries and logging.

Real-Time Monitoring and Alerting Workflow - Python, Playwright, Browser Automation

- Developed browser automation workflows to monitor web activity, detect targeted keyword events, and trigger alerts when relevant changes were observed.
- Built persistent state tracking and deduplication logic to reduce noisy repeat alerts and improve monitoring usefulness.

Infrastructure Automation and Reporting - Python, APIs, Data Processing

- Built automation workflows for collecting infrastructure-related data, organizing outputs, and improving repeatable technical reporting.
- Explored REST APIs, JSON handling, and Python-based reporting for network-adjacent operational workflows.

EDUCATION

Bachelor of Science in Information Technology - Florida State University, 2011