HALEN JOLLEY

STUDIO TECHNOLOGY | BROADCAST SYSTEMS | NETWORK ENGINEERING

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PROFESSIONAL SUMMARY

Hands-on Chief Engineer with 9+ years across broadcast engineering, enterprise IT, network administration and production technology. Own engineering operations for a nine-station radio cluster, including studio audio-over-IP, Cisco networking, remote contribution, broadcast automation and outage response. Build practical solutions for live production and translate high-pressure operational needs into dependable infrastructure, documented workflows and resilient systems.

CORE TECHNICAL STRENGTHS

PRODUCTION & AV OBS Studio, Lua scene automation, multi-camera HDMI capture, SRT video workflows, Comrex remote audio, Axia Livewire / Pathfinder / Element, WideOrbit Radio

NETWORKS & CONNECTIVITY Cisco Catalyst 3850 / 2960-X, VLANs, multicast / IGMP, STP, EtherChannel, VPNs, SonicWall, DHCP / DNS, Teltonika cellular routers, Starlink

SYSTEMS & AUTOMATION Windows / Active Directory, VMware, endpoint administration, Intune / SCCM, PowerShell, Bash, Lua, Python, basic SQL, incident documentation

ENGINEERING OPERATIONS Production support, infrastructure upgrades, vendor coordination, outage escalation, broadcast continuity, technical scoping and root-cause troubleshooting

PROFESSIONAL EXPERIENCE

Chief Engineer | Connoisseur Media (formerly Alpha Media)

San Antonio, TX • Oct 2023 – Present

- Lead engineering and technical operations for a nine-station broadcast cluster, serving as primary escalation for studios, network infrastructure, RF transmission, automation and remote broadcasts.
- Support production-critical audio workflows using Axia Livewire, Element consoles, Pathfinder routing, WideOrbit automation, Comrex codecs and related control/monitoring systems.
- Troubleshoot Cisco switching and segmented audio-over-IP networks, including multicast / IGMP, Spanning Tree, link aggregation, VLAN segmentation, firewall and remote-access connectivity.
- Engineer remote broadcast connectivity and streaming workflows using cellular and satellite networking, codec transport, studio signal routing and OBS-based production systems.
- Restore services during power, facility, transmitter and network incidents; establish backups, coordinate vendors and prioritize broadcast continuity under tight deadlines.
- Scope and execute infrastructure improvements including HD Radio exporter integration, studio hardware replacements, remote-control systems and power-redundancy planning.
- Turn complex technical needs into clear steps for producers, remote staff, outside vendors and venue IT teams; document deployment and troubleshooting requirements.

Network Administrator I | Alpha Media LLC

Portland, OR • Sep 2021 – Sep 2023

- Administered and supported enterprise and broadcast-related networking infrastructure, user connectivity and systems across the organization.
- Troubleshot switches, VPNs, firewalls, workstation/server connectivity and site infrastructure, balancing day-to-day IT support with production deadlines.
- Collaborated with engineers and operational staff on infrastructure changes, escalations and documentation; promoted into the Chief Engineer role.

Junior Systems Administrator | CorVel Corporation

Portland, OR • May 2019 – Jan 2021

- Supported Windows-based enterprise systems, Active Directory, endpoint administration and virtualization; investigated system and user-access incidents.
- Worked with infrastructure teams on recurring maintenance, troubleshooting and scripting/automation of administrative workflows.

Junior Network Administrator | Mentor Graphics / Siemens EDA

Wilsonville, OR • Apr 2017 – Oct 2018

- Supported corporate network operations, Cisco connectivity and endpoint troubleshooting, escalating issues and assisting with infrastructure changes.

SELECTED ENGINEERING PROJECTS

Automated Multi-Camera Production | OBS Studio + Lua

Built a Lua-based OBS scene switcher with configurable microphone thresholds, debounce, silence timers, scene lockouts and bumper/commercial logic, automating camera selection during live podcast and video production.

Remote Broadcast & Video Contribution | Comrex + SRT + OBS

Designed production workflows to transport remote audio and video into centralized studio operations; integrated Comrex remote audio, connectivity requirements and OBS ingest planning for remote camera feeds and multi-input production.

Broadcast Network Resilience | Cisco + Axia Livewire

Investigated audio-network disruptions using switch diagnostics, VLAN and EtherChannel inspection, IGMP/multicast behavior and physical isolation; restored or protected production paths while coordinating safe operational changes.

AI-Powered Resume Optimizer | Flask + OpenAI API

Built and tested a working web application that accepts resumes and job descriptions, calls the OpenAI API to generate tailored resume drafts, and supports document export. Demonstrates practical AI integration and workflow development.

HD Radio & Facility Continuity

Integrated a new FMXi 4G exporter and E2X network path, troubleshooting synchronization and link issues. Coordinated backup broadcast operation during facility failures and planned UPS improvements to reduce transfer-related outages.

CERTIFICATIONS & EDUCATION

CERTIFICATIONS SBE Certified Broadcast Radio Engineer (CBRE) • CompTIA Network+ • CompTIA A+ • Cisco CCENT (legacy credential)

EDUCATION Oregon Institute of Technology — undergraduate coursework in Cybersecurity and Computer Science