

W. Andrew Kirkman

Broadcast Systems Professional

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SUMMARY

I'm an experienced broadcast and information technology professional with focus on AoIP networking, studio air chain, RF transmission plant, and automation. I have performed repairs and preventive maintenance on high power FM broadcast transmitters, configured IBOC/HD Radio broadcasts, and managed Microsoft 365 hybrid environments as well as hyper-converged virtualized infrastructure.

EXPERIENCE

Director of Engineering

Hubbard Radio Cincinnati, LLC – Cincinnati, OH

January 2024-Present

- Oversee the technical operations of four FM radio stations in a large media market
- Manage departmental operations and capital budgetary needs, expenditures, and forecasts
- Identify, analyze, and troubleshoot technical issues related to studio and transmission operations in a timely and effective manner
- Collaborate with the cluster general manager and other department heads to develop short-term and long-term objectives, goals, and action plans
- Study and plan for station engineering needs, such as software and equipment purchases and staff development
- Develop an effective engineering department by providing mentorship and guidance to engineering staff with applicable training, evaluation, and daily contact
- Provide hands-on support to IT and engineering staff as needed
- Maintain current familiarity with rules and regulations of the Federal Communications Commission and ensure all stations are in compliance with the same at all times
- Served on planning committee for 2024 Midwest Broadcast & Multimedia Technology Conference

IT Broadcast Technologist

Hubbard Radio Cincinnati, LLC – Cincinnati, OH

June 2021-January 2024

- Maintain 4-node VMware vSphere + vSAN hyper-converged virtualization cluster
- Install, configure, and maintain Cisco network equipment for business and radio production networks
- Support radio production software such as RCS Zetta, RCS GSelector, and VoxPro
- Configure and support Axia Fusion, Studio Engine, iQx, xNode, and Telos VX broadcast audio equipment in 12 studios and 4 tracking rooms
- Support the following back-end radio production equipment: Sage Digital ENDEC, Comrex ACCESS, GatesAir Intraplex IP-Link 200, Omnia.9, Omnia VOLT, Omnia 8X, Omnia VOCO 8, 25-Seven Systems PDM, Telos Z/IP One, Telos Z/IPStream R/2
- Maintain Nautel GV and Harris Platinum Z solid-state FM/HD transmitters, and Harris HPX tube-based FM/HD transmitters
- Manage configuration and operation of 3rd and 4th generation HD Radio equipment
- Perform regulatory clerical tasks: review station logs; ensure operation within FCC compliance rules
- Served on planning committee for 2023 Midwest Broadcast & Multimedia Technology Conference

ADDITIONAL EXPERIENCE

LAN Administrator and System Support Services

Campbell County Schools – Alexandria, KY

September 2017 – June 2021

- Managed Active Directory user and computer objects for one domain in a forest of 174
- Administered Microsoft 365 tenant in hybrid cloud configuration
- Managed ~30 highly available Hyper-V virtual machines in 4-node failover clustering configuration
- Maintained onsite and offsite backup data with Veeam Backup and Replication
- Maintained base images and task sequences for OS deployment in Microsoft Endpoint Configuration Manager
- Managed software updates with PDQ Deploy and PDQ Inventory
- Managed Avaya IP Office Server Edition telephony environment
- Maintained Extreme Networks network equipment (Enterasys EOS, EXOS, ExtremeWireless)
- Oversaw migration of switching infrastructure from legacy Enterasys SecureStack to EXOS-based Summit switches
- Automated the management of student Active Directory accounts based on enrollment data from the Infinite Campus SIS using Windows PowerShell
- Integrated data and telecom services while merging an independent school district with the county school district
- Worked to introduce data interoperability between LOB applications based on data entered in system of record (Infinite Campus SIS) by writing helper scripts and SQL queries against a Microsoft SQL Server instance
- Designed and implemented centralized multicast IPTV distribution system to replace analog cable TV distribution racks at remote sites

Information Technology Specialist II

Henry County Schools – New Castle, KY

October 2013 – August 2017

- Provided file and print services for all users using Windows Server 2012 R2 and Windows Server 2016 SMB
- Built new Windows Hyper-V failover cluster with 2 VM hosts and 1 storage host using Microsoft iSCSI target on Windows Server 2012 R2
- Developed proficiency in Windows PowerShell
- Deployed Microsoft Endpoint Configuration Manager districtwide for OS deployment, software management, and configuration baseline enforcement
- Backed up all important data using System Center Data Protection Manager (DPM)
- Supported district's MS SQL 2012 server for use by finance department applications
- Maintained and configured Extreme Networks network equipment (Enterasys SecureStack C-Series, Enterasys SSA)
- Implemented secure 802.1X wireless access for district-owned devices using ADACS and Windows NPS
- Supported BYOD environment with network vendor's access control solution in tandem with Windows NPS RADIUS server
- Implemented monitoring systems using The Dude and Cacti to receive and respond to outage alerts in a proactive manner
- Worked with vendors to design, procure, install, and configure Avaya IP Office PBX telephone system to be used districtwide
- Managed 700 Chrome OS devices using Google Workspace for Education
- Served on committee to plan and implement 1:1 technology initiative

Technology Consultant

Myriad CPA Group (now Alexander Thompson Arnold PLLC) - Owensboro, KY

June 2013

Help Desk Technician

Owensboro Public Schools – Owensboro, KY
July 2012 – September 2013

Technical Support Specialist

Myriad CPA Group (now Alexander Thompson Arnold PLLC) - Owensboro, KY
October 2009 – July 2012

Network Technician

Tri-State Datacom, Inc. - Henderson, KY
April 2009 – October 2009

Computer Technician

The Computer Guys, LLC – Owensboro, KY
March 2009 – October 2009

Lead Programmer/Server Administrator/Network Technician

Common Technologies, LLC – Owensboro, KY
May 2006 – March 2009

VOLUNTEER WORK

Sad Bee, Inc. (d/b/a Hive13)

Cincinnati, OH

2018 – Present

Hive13 is a 501(c)(3) community workshop and makerspace where people can meet and build things.

- Member: 2018 – present
- Elected Officer: FY 2019-20, FY 2020-21, FY 2021-22

CERTIFICATIONS

Certified Broadcast Technologist (CBT)

Society of Broadcast Engineers — October 2023-January 2029 — Cert ID 27012

CompTIA A+

CompTIA Inc. — 2017-2026 — Cert ID H43JM4SH13VESJ29

Chrome OS IT Administrator

Google LLC — 2019-2022 — Cert ID 13156108

Microsoft Technology Associate: Networking Fundamentals

Microsoft Corp. — August 2015

Apple Certified Support Professional 10.7

Apple Inc. — July 2012

Hurricane Electric Certified IPv6 Sage

Hurricane Electric — 2012