

MATTHEW KING

Olathe, KS (Kansas City Metro) | kingmatthewa@gmail.com

Senior AV/IT Systems Engineer | Control Systems and Network Security

SUMMARY

Systems engineer with 25 years of experience integrating AV and lighting control systems on enterprise IP networks. Currently handles Tier 4 escalations for Cenero's managed AV services and administers 150+ IPsec VPN tunnels on a FortiGate firewall. Previously directed integration services at Mission Electronics and ran a Crestron Service Provider practice, including a seat on Crestron's CSP Advisory Board. Comfortable explaining technical tradeoffs to IT teams and nontechnical stakeholders. Holds AVIXA CTS-D and CTS, Crestron Certified Master Programmer (Silver), Dante Level 3, and Q-SYS Level 2 certifications.

TECHNICAL SKILLS

Control Systems: Crestron SIMPL Windows, SIMPL+, and SIMPL# (C#); Crestron D3 Pro; Vantage, Lutron, and LiteTouch lighting control

Audio and DSP: Q-SYS Designer, Biamp Tesira, Dante audio networking, Allen & Heath dLive, live sound mixing and system tuning

Video and AV over IP: Crestron DM NVX and DigitalMedia, ZeeVee, video wall signal distribution

Networking and Security: FortiGate (VM and 60F), FortiSwitch, FortiAP, FortiWiFi, IPsec VPN, SD-WAN, ECMP WAN failover; VLAN, QoS, and multicast design for AV networks

Collaboration: Microsoft Teams Rooms and Teams administration, Cisco and Polycom video conferencing

Scripting and Automation: PowerShell (Samsung MDC display control), n8n workflow automation

Design and Documentation: AutoCAD, Visio, D-Tools System Integrator

PROFESSIONAL EXPERIENCE

Cenero LLC

Jan 2020 to Present

Proactive Programmer | Remote

- Own Tier 4 escalations for Constant Connect managed services: the AV and network incidents that lower support tiers cannot resolve.
- Manage and monitor 150+ IPsec VPN tunnels on a FortiGate VM firewall that carry Constant Connect remote access to client sites.
- Diagnose faults across Microsoft Teams Rooms, Cisco collaboration devices, Crestron control systems, and AV over IP distribution for enterprise clients.
- Develop deployment strategies for new Constant Connect managed services clients.

Kinly

Jul 2019 to Dec 2019

Control System Programmer

- Wrote and deployed Crestron control programs for large commercial clients.

Cenero LLC

Dec 2018 to Jul 2019

Proactive Programmer

- Planned deployments for projects requiring Constant Connect managed services.

Mission Electronics, Inc.

Jan 2016 to Nov 2018

Director of Integration Services | Lenexa, KS

- Set deployment strategy for integration projects requiring control programming and network services.
- Oversaw predeployment system configuration and program testing ahead of field installation.
- Evaluated emerging technologies and compared deployment labor costs to guide product selection.

Technology Integration Experts

Jun 2013 to Jan 2016

Owner, Designer, and Programmer

- Operated a Crestron Service Provider (CSP) business that designed and programmed systems for Crestron dealers and end users.

- Joined Crestron's CSP Advisory Board in April 2015.
- Provided Vantage lighting control design and programming to dealers and end users as a Vantage Certified Installer.

Arkansas Music Pavilion

May 2014 to Jan 2016

Contract Engineer, Samsung Video Walls | Bentonville, AR

- Designed the video distribution system between the production switcher and the Samsung video walls, and assisted with setup.
- Monitored signal integrity on site during live events.

Earlier Experience

Sensory Integration, Inc., Springfield, MO | Contract Programmer

2007 to 2013

Bedford Home Technologies, Springdale, AR | System Engineer

2006 to 2007

Digital Entertainment Systems, Rogers, AR | System Engineer

2001 to 2006

- Engineered and programmed integrated AV and lighting control systems for commercial, government, and luxury residential clients.
- Built residential systems around Crestron, Kaleidescape, Lutron, Vantage, LiteTouch, and Meridian Audio; integrated commercial equipment from Biamp, Christie Digital, Renkus-Heinz, Crown, Polycom, and Tandberg.
- Drew floor plans and equipment connection schematics in Visio, D-Tools System Integrator, and AutoCAD, and helped sales prepare system proposals.

CERTIFICATIONS

AVIXA: CTS-D (Design), CTS

Crestron: Certified Master Programmer (Silver), DM NVX Network Certified, DigitalMedia Certified Engineer (4K)

Audio: Q-SYS Level 2, Audinate Dante Level 3, Allen & Heath dLive, Biamp TesiraFORTE

Microsoft: Teams Administrator Associate (MS-700)

Lighting: Vantage Certified Installer

In progress: Fortinet NSE4 / FCP (target Q4 2026), Cisco CCNA

EDUCATION AND HONORS

BA, Music | University of Arkansas, Fayetteville, AR

Eagle Scout