

Lucas Romanenko

Broadcast systems, live streaming, and AV automation

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Six years in live streaming and broadcast AV. Built the Toronto studios for one of the world's largest live-casino providers, directed the technicians during the build, and now act as senior technical escalation for a team of about ten while keeping the studios on air 24/7. Self-taught developer using AI-assisted tools to automate manual AV processes; built a browser-based control platform now in production in two countries.

EXPERIENCE

Audio Visual Specialist

Jan 2023 – Present

ARRISE (Pragmatic Play) · Toronto, ON

- Built the Toronto live-streaming studios and server room from empty rooms to 24/7 broadcast, after three months of training at the Bucharest flagship as primary technical trainee
- Senior technical escalation for a team of about ten AV technicians; train them on new systems and directed them during the Toronto build
- Maintain the live signal chain from camera to RTMP/SRT encoder and keep all tables and streams on air; troubleshoot faults across AV, IT, network, and lighting
- Studio construction: camera and lighting placement, chroma keying, rack and server room design, low-voltage cabling; IP-based CCTV with NVR/DVR and NTP time sync
- On-site at international studios: built blackjack tables and advised the local team in Colombia (19 days); trained on game show and table builds in Bucharest (3 weeks)
- Self-taught developer; built a browser-based platform that automates content changes, switcher control, overlays, and config backup for studio equipment, using AI-assisted development
- Deployed the platform on-site in Bucharest; runs in production in Toronto. Stood up the hosting infrastructure (Proxmox, Docker, Linux/Windows VMs)

Senior Production Technician

Nov 2019 – Jan 2023

TraderTV.LIVE (Ralota Technologies) · Toronto, ON

- Joined before the show launched on YouTube; helped build it into a daily live broadcast with 500K+ subscribers, streamed via RTMP
- Switched and directed the daily show on ATEM Constellation 8K with a 4 M/E broadcast panel
- Built a virtual studio in Unreal Engine and integrated live camera feeds with Aximmetry
- Planned and installed studio equipment, SDI cabling, and signal routing; automated switching with Bitfocus Companion and Stream Deck macros; edited segments in Premiere Pro and After Effects

Freelance Videographer

Oct 2016 – Nov 2022

Self-employed · Toronto, ON

- Filming, editing, and audio recording for weddings, concerts, corporate events, and promotional videos

PROJECTS

ATEM Web Control (open source) · Browser-based real-time control for Blackmagic ATEM switchers. Django/Channels, WebSockets, built on a maintained pyatem fork. Contributor to PyATEMMax.

ATEM Control from Unreal Engine · Proof of concept with bidirectional state sync between a game engine and real broadcast hardware over WebSocket.

SKILLS

Broadcast and streaming: Blackmagic ATEM, Ultimatte, Videohub, HyperDeck, Behringer X32, RTMP, SRT, SDI/IP signal flow

AV and network: AVoIP (Dante, IP video and audio, CCTV/NVR/DVR), NTP, studio and server room design, chroma keying

Virtual production: Unreal Engine, Aximmetry

Development and automation: Python, Django, WebSockets, Docker, Proxmox, AI-assisted development (Claude Code)

Post and tools: Adobe Premiere Pro, After Effects, Google Workspace

RECOGNITION

Blackmagic Design press release feature, TraderTV.LIVE (2022)

YouTube Silver Creator Award (100K subscribers), TraderTV.LIVE

CERTIFICATIONS

Extron AV Associate

Dante Certification Level 1

Anthropic: Claude Code in Action; AI Fluency for Builders

EDUCATION

Durham College, Oshawa, ON
Diploma, Video Production, 2019