

Aaron Read

I call myself a "Jack of All Trades" thanks to my innate technical ability to understand complex systems and apply logical solutions to them...but also thanks to my creative and interpersonal side that lets me leverage technology across social media, broadcast media, and graphic design platforms. As well as interact and connect both highly-technical and highly-UNtechnical people to get everyone working towards a common goal. In other words: I figure stuff out and fix it for people!



Skillset includes:

- Evaluation, diagnostic and repair of signal flow through an AM/FM broadcast plant.
- Network router/firewall/VPN installation and maintenance.
- Internet- and Satellite-based audio distribution systems.
- Extensive experience with licensed and unlicensed wireless data radios (UBNT, SAF Tehnika, Cambium, Moseley, Harris CD Link, etc).
- AM and FM transmitter diagnostics, repair and maintenance. Esp Nautel, BW Broadcast, GatesAir, Elenos and Harris. Able to perform FCC Equipment Performance Measurements (with FIM's and Spectrum Analyzers). Familiar with NanoVNA's.
- Audio processing setup and implementation, including Nielsen PPM ratings tracking.
- Initial diagnostics of HVAC and backup power generator systems; coordination and supervision of contractors for detailed work/repairs.
- Google Workspace superadmin. Extensive experience with Office365, AWS, Adobe CC, and other cloud services.
- Familiar with AudioVault, Rivendell, Enco DAD, and other radio automation systems.
- Professional soldering skills, including for surface-mount components.
- Extensive knowledge of FCC rules and regulations, including Chief Operator duties.
- Spectrum Study analysis of available FM broadcast facilities and/or adding new facilities; preparing technical exhibits for FCC applications.
- Society of Broadcast Engineers, Certified Broadcast Technician.
- Secretary, SBE Chapter 11 (Boston/Providence).

See next page for chronological employment history.

Aaron Read

L & R Broadcast Services

May 2023 - present

Minority Owner, Intrepid Engineer

Boston, MA & Providence, RI

Co-owner of broadcast radio/television engineering consulting business. Provide timely and expert consultation and services for broadcast outlets in southern New England and beyond. Clients include: MVYradio (WMVY), WDOM, WCGA, WBRU-LP, KCAW, EMF/K-Love (WLVO, WKIV, WTKL), The Public's Radio (WNPN) and WBUR (WBUA, WBUH).

The Public's Radio / WNPN 89.3FM

June 2012 - December 2024

I.T. & Engineering Director

Providence, RI

The Public's Radio (formally known as Rhode Island PBS Foundation & The Public's Radio) is the NPR news/talk affiliate for Rhode Island and the Southcoast of Massachusetts. It has one main transmitter, WNPN 89.3FM, and several repeater stations: WNPE, WPVD (W275DA), WNPW, and soon to add WNPH Portsmouth, and WNPO/WNPK Block Island. I provide all engineering (studio & RF) support and computer/networking support, lead a crew of contract engineers, plus:

- Provide signal acquisition analysis for expansion in the Providence/New Bedford market: acquired WUMD, moved/expanded it into WNPN 89.3FM & overhauled existing site into aux facility. Acquired WJHD, moving/expanding to WNPH 90.7FM. Constructed W275DA 102.9FM. Constructed WNPW 89.5FM. Overhauled WPVD 1290AM.
- Installed new 3.7m Public Radio Satellite Service satellite downlink.
- Created new "pledge drive from home" system in response to the 2020 COVID pandemic with Comrex ACCESS-NX devices & various workflows.
- Studio overhaul in 2015; migrate from analog consoles to Logitek JetStreamMini AoIP systems; created new production studio.
- Maintain existing server/multiple workstation Enco DAD (previously AudioVault) automation system.
- Overhaul in 2020; converted two offices into studios & added offsite backup studio.
- Construct & maintain three remote news bureaus in Newport, New Bedford & Westerly; each with a soundproof booth (Wenger Soundlok or VocalBooth Platinum).
- Research, purchase, install and maintain 20+ computer network for all employees. Later vetted & hired a third-party I.T. support firm for helpdesk services; oversee vendors.
- Overhaul Station Log ops & EAS. Serve as Chief Operator.
- Set up 102.7FM-HD2 for lease to MVYradio.com to feed W243AI 96.5FM in Newport.
- Designed & built custom satellite dish heater system for 3.8m PRSS dish at remote site.
- Set up and maintain automatic podcast system for local newscasts.
- Author of "The Engineer's Corner", an occasional column on technical issues.

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UC Santa Barbara, KCSB 91.9FM

July 2011 - October 2011

Chief Engineer

Santa Barbara, CA

KCSB is a free-form radio station with 5 full-time career staff and 100+ volunteers (both student and local community) based at UCSB. It broadcasts live 24/7/365 across most of Santa Barbara County. The facility has four studios, seven offices and a 10,000+ CD/LP library. Position involved mountaintop transmitter maintenance, Enco automation maintenance, and sysadmin duties of a Linux-based in-house web, email, file and music servers. Nearly all of the users' computers are Macs.

Hobart & William Smith Colleges, WEOS / WHWS-LP

August 2007 - June 2011

General Manager

Geneva, NY

WEOS 89.5FM-HD, (Finger Lakes Public Radio) NPR news/talk affiliate station. Est. 25,000 daily listenership. Numerous special events (Science Friday, Amy Goodman, Whad'ya Know, Says You) and broadcasts of speeches, concerts, symposiums, etc. WHWS-LP 105.7FM (Hobart & William Smith College Radio) Student-run "college radio" station for HWS and Geneva area. Heavy sports coverage (100+ games/yr).

- Manage all budgets, procurement and fundraising.
- NPR AREP for WEOS.
- Oversee 1 FT, 3 contract and numerous student employees.
- Maintain Enco DAD automation & Logitek Numix/Remora AoIP mixboard system.
- Extensive remote broadcasts using various tech: Comrex AoIP, POTS, Marti RPU, Barix.
- Install CPB-funded HD Radio heterodyning exciter for W212BA 90.3FM; first in the USA.
- Successfully received a reverse-*Raleigh* waiver from FCC to allow WEOS to move to 89.5FM and expand facilities.
- Successfully applied for CP for Class A FM 90.3 in Auburn, NY.

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Lichtenstein Creative Media, Inc

January 2005 - August 2007

Technical Director, Radio

Cambridge, MA

LCM produced "The Infinite Mind," a weekly public radio program about mental health, psychology & neuroscience.

- Provide extensive ProTools editing services.
- Engineer interviews in studio, over phone and over ISDN.
- Maintain technical facilities.
- Overhauled in-house studio to include three ISDN codecs and sound isolation booth, allowing for better control over interviews and eased workload on host's station's studio engineers (WRNI, now WNPN).

Isotrope, LLC (formerly Broadcast Signal Lab, LLP) February 2002 - December 2007

Staff Engineer

Medfield, MA

Professional broadcast and wireless telecommunications engineering consulting firm.

- Provide Spectrum Study signal propagation analysis (using ComStudy software & other tools) and RF signal measurement services.
- Provided operations and office support for \$250,000 contract with USAF to provide RF exposure measurements of PAVE PAWS radar facility on Cape Cod.
- Clients included WZBC Boston College, WZLY Wellesley College, WGBH Boston, WBRS Brandeis University, as well as several local municipalities.

IDG Publishing, ITworld.com¹

February 2000 - November 2001

Associate Producer, ITwebcast

Southborough, MA

For-profit firm providing webcasts for training, editorial and certification purposes.

- Construct and maintain in-house audio/video recording and editing suites.
- Extensive use of Avia XpressDV editing platform.
- Use of Protools, Sound Forge, and Cool Edit Pro/Audition for audio editing.
- Manage audio for live webcast events. Assign in show prep coding & slideshow modification.

¹ IDG spun off ITworld as Accela Communications, which was bought by KIT Digital, later bought by Pikel.

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IDG Publishing, Computerworld

August 1998 - February 2000

Audio Engineer

Framingham, MA

- Maintain in-house audio studio.
- Record & edit "The Computerworld Minute", a daily streaming newscast.
- Extensive use of Sound Forge audio editing software.

WBUR 90.9FM

October 1996 - August 1999

Broadcast Recording Technician

Boston, MA

Boston's NPR News Station.

- Mid-morning board operator.
- Evening production/Protocols editing.
- Assistant Technical Director for "Here & Now" when it launched.