

**Jay Thompson**  
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### **Knowledge – Skills – Abilities**

Two-way radio and paging / IT server and desktop support / wireless and wired networking / wife pestering / database programming / website design and hosting / more wife pestering

### **EXPERIENCE**

#### IT and RF technology consulting – self employed

Providing IT consulting to businesses including medical offices, legal firms and public safety agencies. Providing web design and hosting, software and hardware installation and support, including server installation, wireless LAN technology and PC hardware support. Hytera dealer providing 2 way radio service to business users.

#### Special projects engineer – Bearcom; Garland, TX

Designed and installed repeater systems and DAS at special events such as ESPN X games, Academy awards, rose bowl, etc. Performed site surveys for RF coverage, frequency scans, FCC license applications and designed channel plans for users. Installed video, radio and voice over IP systems and 2.4 / 5 GHz backhails, point to multipoint and mesh links for local and web based viewing of surveillance video from fixed and pan-tilt-zoom cameras. Changed existing setup from multiple repeaters with individual antennas to single antenna system using combiners and multicouplers to reduce setup time. Created software based all call radio system for ESPN that saved \$9,000 in hardware costs. Relocated winter X games radios system to save over \$5,000 in scaffold and generator costs.

#### Senior field engineer - Ira Wiesenfeld and Associates; Dallas, TX

Installed and serviced paging and public safety radio systems, both single site and simulcast. RF site surveys, field strength measurements, user needs analysis, system design and implementation, DAS design, install and verification. Client training and user guide development.

#### APCO SME

Member of radio group working on ANS 3.107.2.2020 Core Competencies and Minimum Training Requirements for Public Safety Communications Technician

#### Hendricks county IN communications advisory board

Small town representative on board overseeing county's emergency communication center

#### RFI investigator - RF Authority; Plano, TX

Location and mitigation of RF interference on Verizon's LTE network in Los Angeles.

#### Technical editor / instructor - Dover Telecommunications Services; Cedar City, UT

Editing and developing training manuals and online content for cellular carriers and public safety agencies. Instructor for classroom training.

#### Departments of Homeland Security, HHS and California Medical Assistance Team

Communications Unit Leader - Deployed for national emergencies including counter terrorism missions, multiple hurricanes and covid medical missions. In charge of all IT and communications gear for medical team, including portable, mobile and base station radios, satellite phone, electronic medical record system and related networking components.

Partner / cofounder of Netsurf USA, a multi-county wireless ISP in southern Indiana.  
Partner / cofounder of Paging USA, a state-wide paging system in Indiana.

Freelance RF audio / video tech for ESPN and ABC. RF 1 and 2 on golf shows, X games, bowl game and the Indy 500. System setup and maintenance of wireless mics, PL and IFB systems, microwave transmitter / receiver packages for video cameras. Assisted in re-engineering ESPN's wireless mic / RF systems to improve reliability.

#### IndyCar manager - Racing Radios; Forest Park, GA

Provided sales and tech support for radios systems and related accessories to racing teams. Designed systems and equipment for use in high noise / EMI environment. Designed and installed first fuel telemetry system used in Indy Car racing. Implemented frequency coordination plans for race teams. Established over 300 racing team accounts for Racing Radios and implemented advertising agreement with sanctioning body.

#### Field service technician - Motorola; San Diego, CA

Serviced mobile and base station units, conventional and trunked repeater systems, dispatch consoles, DC and tone remotes and other related systems, with experience on public safety systems.

#### **Class instructor at IWCE 2013-2022**

Co-author of [General Communications Technician](#) levels 1 and 2, [Mobile Communications Equipment Installer](#), [Radio Frequency Interference and Mitigation](#) and Wireless Communications

#### **Education**

Associate Degree in Criminal Justice, Indiana University  
Associate Degree in Electronics, Mesa College, San Diego  
San Diego County Sheriff's Reserve Academy

#### **Licenses and Certifications**

FCC General Radiotelephone Operator License  
ETA certificates - DAS design, Wireless Communication MSS, Antenna Line Sweeping, General Communications Technician 1 and 2, Microwave Radio Tech, RF interference mitigation

#### **Awards**

Emmy for Outstanding Technical Remote Video Engineering, Summer X games  
ETA technician of the year for 2016