

## **RAVINDRA SINGH KATHAIT**

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### **Profile**

Broadcast Engineer with 16 years' experience in Video Conferencing, Satellite systems and Broadcasting (Audio and video). Looking for a challenging position in Video conferencing engineering, Satellite Communication or Broadcasting field.

### **Skills**

Broadcasting, video conferencing, Audiovisual design, Radio Frequency, Satellite communication, Technical support, Troubleshoot, live Broadcasting, video production and on-air news broadcasting.

### **Professional Experience**

**Freelance Broadcast Engineer**  
**Delhi INDIA.**

**July 2021 to current**

- Maintaining Specialist Equipment for Video production, Broadcast and Satellite transmission.
- Setting up and monitoring audiovisual links between units in different locations.
- Setting up Projector, Plasma and LCD screen for multi Camera show .
- Analysing and repairing technical faults on equipment and systems.
- Minimising loss of service when equipment fails by quickly identifying and implementing alternative methods of service provision.
- Setting up and operating equipment and transmission links during outside broadcast.
- Setting up Audio system for talkback and phone calls to guest using matrix telephone system.
- Keeping up to date with the industry and change in technology by building and maintaining a network of contacts and investigating new systems and techniques.
- Technical Setting up of cameras, Base stations, Main-Frame, CSU, vision control & color matching on TV in house & outside broadcast operations.
- Setting up multi camera setup(2 cameras-12 cameras) using production van as well as assembling loose ENG setup for events like Election, Budget and requirement of customer.

**TRIGYN TECHNOLOGIES LIMITED**  
**Satellite Communication and VTC Technician**  
**UNAMID DARFUR.**

**July 2013 to June 2021**

- Install, configure, test, maintain, and support Comtech Modems, Comtech TURBO IP products, 2.4/3.8/4.5/7.5M C-Band VSAT equipment and related services,
- Expertise in Managing and installation of Cisco telepresence C-40, C-60 and MX500 G2 Video Conferencing equipment.
- Assist in creating and maintaining comprehensive procedure/process documentation for all supported network locations
- Maintain team of RF and Fiber optic technician on video conference project and production.
- Facilitated the setup and operation of camera, lighting and audio equipment for video conferencing .
- Assist Network unit for physical installation of wifi, switches and Routers.
- Perform link budget calculations and frequency layout documents for all VSAT terminals.
- Technical knowledge related to design and development of video conferencing applications according to prescribed standards and protocols (including h.323/SIP)
- Was active member for infrastructure team for wiring cabling and installation of ICT equipment's.
- Test, troubleshoot and operate instrumentation, calibration equipment and test fixtures,

**New Delhi Television Ltd.**  
**Sr.Engineer Broadcast and Satellite Operations**  
**New Delhi INDIA 110048**

**March 2007 to July 2013**

- Years of experiences of working on Production and Post production, Multicam setup, Video switcher (Kahuna, Kayak DD, Ecolab) and Audio mixer (Sound Craft, Studer, Yamaha M-7CS Digital Mixer) with effective communications ( Matrix, Ahuja, Clearcom).
- Active team member for the installation & commissioning of PCR, MCR,& RF LINK setup of NDTV CHANNELs facility to new area & all channels of NDTV IMAGINE.
- Proficient in the installation, configuration and maintenance of all the TV Broadcast systems found in live studios, Video switcher (Kayak DD, Grass valley 1200, KAHUNA), Digital Audio mixer Yamaha M-7CL, post production facilities, TV OB Vehicles & flyaway.
- Technical Setting up of cameras, Base stations, Main-Frame, CSU, vision control & color matching on TV in house & outside broadcast operations.
- Competent in installing & configuring A/V routers (Network VIKINX), video switcher & associated equipment.
- Having deep knowledge of studio setup, digital Broadcast Infrastructure, intercom, video compression and transmission.

- Maintaining the appropriate data of MODEMS, Decoders and other processing units at MCR of NDTV in regular schedule.
- To manage & establish the RF links to provide feed for live telecast.
- Responsibilities for providing live tracking of antennas located at remote site with optimum quality of receive BER and Eb/no.
- Responsibilities include maintaining satellite links with remote installers on VSAT systems also with other operators such as INTELSAT, ASIASAT, EUTELSAT, EUROVISION, and others international feeds according to the requirements.
- Knowledge of Configuration and Operations of 3G equipment's and servers.
- Worked with on -air crew during live broadcasts to learn how to control video & audio at its optimum levels with minimum down time.

**Indiasign Private Limited.**  
**Customer Support Executive**  
**Gurgaon INDIA**

**June 2006 to March 2007**

**Maruti Transmission**  
**Customer Support Engineer**  
**New Delhi INDIA**

**June 2005 to June 2006**

### **Education and Training**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya  
 Bachelor of Engineering in Electronics and Telecommunication  
 Bhopal Madhya Pradesh India

2001-2005

Senior secondary  
 Kendriyavidyalaya  
 Ujjain Madhya Pradesh India

1998-1999

High School  
 Kendriyavidyalaya  
 Ujjain Madhya Pradesh India

1996-1997

**Date:-1/11/2021**

**Place:-INDIA**