

Sanjeev Rattan

Available: 1-2 weeks

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Summary

Professional engineer with particular expertise in Network Administration, Pre Sales Technical Support, which includes Link Budgeting, Network Sizing etc., and Post Sales Service Support which includes installation, commissioning, repairs and Project implementation in electronics, telecommunications and Wide Area networks on technical front. Skilled in Business Development, Administrative and other commercial activities. Experienced and enthusiastic.

Technical Skills:

Satellite Communication: Installation, commissioning and maintenance of WANs based on VSATs including hub (**Satellite Earth Station**) and remote VSATs, Video, Voice and IP data over satellite at C- band and Ku band. Antenna Alignment. System Integration and navigational aids such as GPS.

VSAT Technology: CDMA, TDM/TDMA and Frequency Hopping TDMA i.e. FTDMA, DAMA and PAMA

VSAT Products: **Gilat**– Sky Blaster, Skystar Advantage, and Skysurfer

Hughes – ISBN, DirecPC

Radyne Comstream

Paradise – Datacom

STM Wireless – Solante, Olante, DAMA 10000, Solante Connect

Swedish – SNG/DSNG vehicles and IPT suitcases.

RF: Wireless, RF experience, Installation, Commissioning and Maintenance of VSATs for Internet and Intranet, Network Sizing and Link Budgeting.

Testing: Intelsat and NOCC testing

Regulatory: SACFA and WPC

Telecom: E1, Multiplexer

Power Systems: BP Solar Systems, APC UPS etc.

Networking: TCP/IP implementation over Windows9X, NT, LINUX, UNIX. Internetworking TCP/IP networks; IP sub netting; Dial Up networking; VLAN

Protocols: TCP/IP, X.28, X.25

Routing and switching: CISCO routers 1600 and 2600 series and Switches 1900 and 2900 series - RIP and IGRP, WAN Protocols (HDLC, PPP, Frame Relay, CDP, ISDN with DDR) and Security using Access Lists.

System Admn. Red Hat Linux 7.0

Internet: HTML, JavaScript

Operating Systems: DOS, Windows 95/98/NT/2000, Linux, Sun Solaris 8

Packages: MS Office (MS Word, MS Excel, PowerPoint etc), Star Office

Servers: Proxy, SMTP, POP, DNS, and Apache Web Server.

Security: Firewall, IP Chains, Firebox – Watch Guard, Access list.

Management Skills: Pre Sales Technical Support, Customer Management and Project Management, Post Sales Service Support

Technical Writing: Writing training material, courseware, installation manuals.

Professional Experience:

Employer: NDTV Limited
Designation: Satellite Network Manager
Period: 05th April 2004 – Till Date

Profile:

- New Delhi Television Ltd. (NDTV Ltd. – www.ndtv.com), founded in 1988, is India's first and largest private producer of news, current affairs and entertainment television. NDTV has simultaneously launched two 24-hour news channels, NDTV 24x7 in English, and NDTV India in Hindi, which targets the Indian diaspora across the world.

My Role:

Responsible for Satellite Network technically (planning and implementation) and administratively, which includes:

- SNG/DSNG mobile vehicles – Mobile vehicles with VSATs for live feeds all over the country.
- IPT Terminals – Portable terminals based on satellite for SNG/DSNG.
- Fixed SNG/DSNG stations – Fixed VSATs in bureau offices all over the country.
- Teleport – Teleport for broadcasting of two 24X7 news channels.
- Distribution Network – Distribution network through 4000 operators all over the country.
- WPC and NOCC clearance.

Employer: STM Networks, Inc., Irvine, California.
Designation: Associate Technical Manager
Period: 26th June 2002 – 15th Feb. 2004

STM Networks, Inc, (formerly STM Wireless, inc.) is manufacturer of telecommunications equipment with emphasis on satellite communication and world leaders in Rural Telephony through VSATs based on MCPC DAMA systems. (www.stmi.com). The company is having its networks in 76 countries and presence in 52 countries.

Project:

- 1000 sites VSATs for rural telephony in Nepal. Hub is integrated with Alcatel, Siemens and C-Dot switches. The remote VSATs connect to hub and the calls are then routed to the switches and further to the respective destinations.
- Station Manager – Nepal**, for the ongoing project as well as all commercial and business development activities in the country.

My Role:

- Supervision of installation and commissioning of complete MCPC DAMA network including remote sites and earth station for SES Solante at Kathmandu, Nepal for Nepal Telecommunication Corporation.

- Intelsat testing.
- Installation of Solar Power Systems and rectifiers for the remote sites.
- Technical support for installation and maintenance of network.
- Acceptance testing of the equipment supplied.
- Network Administration for Network Management System based on Sun Solaris.
- Maintenance of hub for day today operations (RF signal levels and hardware maintenance).
- Supervising installation of the equipment supplied to the NTC.
- Writing training material, courseware, installation manuals
- Responding to RFPs and clarifications.
- Involved in Pre sales and post sales technical support.
- Program management (Commercial and technical): To manage the ongoing relationship with business sponsors and ensure that the business benefits of each program are realized.
- To provide leadership for the program teams and to ensure that cross functional teams are built and managed for the delivery of each business opportunity.
- Accountable for the successful delivery of agreed internal and customer facing business projects.
- Manage the current portfolio of business projects and information for potential future opportunities.
- Provide regular progress reports to headquarters and ensure that key risks and issues are escalated.
- Ensure that STM Networks, Inc. is professionally represented at all levels within the customer organization and also with our vendors and strategic partners.
- Conduct reviews with senior management to ensure the ongoing success of the business program.
- To ensure that project resource is allocated to the project as required and ensure that these teams are effectively managed.
- To ensure that programs are fully documented and have been approved by headquarters prior to implementation.
- To ensure that project quality criteria are met and that the business benefits are realized.
- Ensure that cost management is carried out and cost reductions made where possible.
- To identify new business opportunities within the nominated project and ensure that these are converted into sales if appropriate.
- Provide product support for Satellite Communication products of the company.

Client: NIIT Limited
Period: January 2004 onwards
Position: Freelance Subject Matter Expert and technical reviewer

Project Description: NIIT is developing courseware for some of the technical universities in US.

My Role:

- Authoring books for NIIT on Networking technologies and service integration.
- Providing technical reviews on books of other authors.

Client: Bharti Broadband Networks Limited
Period: December 2001 - June 2002

Position: Freelance Project Consultant

Project Title: BIT: A 1460 sites WAN based on SkyBlaster VSATs of GILAT, CISCO routers and NORTEL VPN Client for Sahara India Pariwar, www.saharaindiapariwar.com, for their Para banking division for transfer of online data on secure TCP/IP connection.

My Role:

- Installation and commissioning of VSATs and setting up of WAN in Rajasthan State, largest in terms of size in India, covering 116 sites.
- Implementing TCP/IP on windows98 at Nodes.
- Integrating LAN with WAN using CISCO 2601 router.
- Installing Nortel VPN client at a few nodes
- Training customer regarding the functioning of VSAT and WAN.

Employer: India Satcom Limited

Designation: Customer Support Engineer

Period: 10th September 1996 - 31st October 2001

Pioneer in the field of Satellite Communication in India, India Satcom Limited is dealing in VSATs, turnkey solutions for Telecom and Satcom, and software development. Customer Support Department was dealing with WAN based on VSATs for Video, Voice and IP data over Satellite, Govt. of India being the major client.

My Role:

- My role as Customer Support Engineer involved installation, commissioning and maintenance of WAN based on VSATs. More than 250 VSATs based on DAMA, PAMA, CDMA, TDMA and FTDMA technologies have been installed individually till date and were being maintained by me.
- Team member in installation of ISBN hub.
- Provide support to marketing department for developing formal project proposals, demonstrate, and install VSATs, train operators, provide documentation and hand over working systems to the customers.
- Integrate LAN with WAN using routers and switches.
- Implemented ISBN and DPC (Hughes Network Systems), Skystar Advantage and Sky Surfer (Gilat) Network in Rajasthan. This was done on time and within budget. The service met its quality objectives. Effect: High customer satisfaction with prospects for growth and new orders.
- Maintained CDMA based C-200 VSATs (India Satcom Limited) for over 5 years
- Implemented and maintained the Wide as well as Local Area Network for Satellite Money Order Project of Department of Post, India, for Rajasthan, India using VSATs and modems.

Employer: Deltron Limited

Designation: Apprentice – Product Engineering

Period: August 1995 - August 1996

My Role:

- I was involved in DESIGNING CIRCUITS & implementing circuits for automation of manual testers for the products of reputed organisations like Eureka Forbes and Videocon.
- Solutions for production department
- Generating Documents for ISO 9002 certification such as engineering change notes, Manufacturing Process Instruction, Quality Control Instructions

Training

Internet and related protocols organized for 5 days.

15 days training on SES Solante, DAMA 10000, Solante Connect and Olante at STM, Inc., Irvine, California, USA.

Implementing WAN based on VSATs

CISCO Internetworking Devices covering Basic CISCO IOS Commands, Switches, VLAN, ISL, VTP, TCP/IP

Routing with RIP and IGRP, WAN Protocols (HDLC, PPP, Frame Relay, CDP, ISDN with DDR) and Security using Access Lists.

LINUX/UNIX System Administration

Customer Support Management

Education

Three years Diploma in Electronics and Communication Engineering from Mehr Chand Polytechnic, Jalandhar, India in 1995

CCNA – Routing and Switching in 2002.