

B.E. (Computer Science & Engg.) with > 17+ years of extensive experience in Radio Access Network & Transmission operations, I&C of Telco Core Networks & Data Centers (Rack, Stack, OS, Networking gear), switching equipment, 24 x 7 O&M, OSP gear & software development.

Telecom Product Certifications / Trainings

- Huawei MSOFTX3000, UMG8900 & M2000
- Huawei SGSN & GGSN
- ZTE NGN
- Motorola CBSC
- AXE-10

Achievements & Awards

- Top Performance Rating for the years '07-'08, '11-'13, '15-'16 & '16-'17 at Tata Communications / Tata Teleservices
- Top ranking in JTO Orientation training at BSNL
- 1st Rank in Comp. Science Engg.
- Won prizes in quizzes & debates
- House Prefect - XII

Professional Skills

Business / Management Skills

- Man Management
- Strategic Planning
- RFP Processes
- Site survey / HW I&C
- Cloud deployment (on-prem / public)
- Application on boarding / configs / integration
- Security hardening (VA / MA)
- AT / UAT
- Traffic migration
- Technical Support
- Running Live Operations Support for Large T1 Telco carrier
- Customer Front End

- Team Management
- MS / Partner management (IT Services Partners / 3rd party engagements)

IT Technical Skills

- HP-UX, SUN Solaris, Digital Unix, Oracle, SQL, HTML, OSA / Parlay, Soap / Xml
- IT Networking (Cisco / Nortel / Avaya)
- Detailed Network Design, Architecture (logical, functional and physical)
- Integration and Implementation planning
- Infra planning
- IP design for Node level / VLANs / Multi-Subnets / Connectivity Diagrams / HA (N+1 / 2N)
- Security hardening (MA / VA)
- Cloud Director / CEPH Storage
- Red Hat OpenStack Platform (RHOSP) Deployment

Telecom Technical Skills

- Converged Billing, IN Pre-Paid, Post-Paid / mediation
- VAS - SMSC / VMS, etc.
- GSM / CDMA, SS7 and E1 / T1 Interfaces
- VoIP equipment from Cisco / Audio-Codes / Sun Microsystems
- Signaling protocols such as SS7, CAMEL, IS826, VoIP Protocols
- OSS, NW Inventory Mgmt.
- CRM & Ordering
- Data Core: DNS, PCRF, MME, CGF, CDN, CGNAT (IPv4 / IPv6)
- Voice Core: IMS, SBC, HSS, DRA, MRF
- Transport network
- SGSN / MME
- GGSN / SPGW
- LTE / eNODEB / NodeB / RNC

Professional Accomplishments

- Improved KPIs such as Access Fail Rate, Call Drop Rate & Handover Success Rate.
- Reduced EDAP congestion from 60,000 to 200 in < 4 weeks by adding 124 E1s.
- 123 3G sites live - in < 8 weeks for Maharashtra 3G Rollout in Aurangabad cluster.

- MPLS program of 2 clusters Aurangabad & Pune (conversion from TDM to MPLS). Entire planning & execution was done to make the project successful.
- Shifted sites having owner issues seamlessly without any complaints.
- 18 town GSM Rollout Obligation along-with transmission planning / I&C with DOT TERM.
- ICR with Aircel for GSM / MTS for CDMA in MH Circle along-with RA clearance.
- Leading O&M of all 4 switches including GSM, CDMA & Wireline at Nagpur.
- I&C & O&M of GSM Huawei MSOFTX3000 Switch to launch GSM services in MH. Coordination done with other operators, STP, HLR, IN, SMSC, SGSN teams including RA clearances.
- Db configs for MSOFTX3000 including routing & charging.
- Config of Huawei GSM MSOFTX3000, ZTE CDMA ZXC10, Ericsson AXE-810 & Lucent 5ESS.
- Liaising with all carriers & BSNL for augmentation and other requirements.
- MNP testing & configuration for all technologies.
- Routing and Db maintenance including protocols management (GSM / CDMA).
- Developed CDR processing software for Ericsson AXE 810 switch which decodes ASN format.
- Develop tools and macros for day to day ops.
- Developed RF Load Monitoring tool for monitoring BTS Sites.
- Headed the Installation & Commissioning of Ericsson AXE-10 40K TAX at Thane.
- Part of validation team for IOBAS (Inter-operator Billing and Accounting System) project.
- Developed CDR based billing system for our system installed at NT-TAX, Thane.
- Developed applications to generate Traffic Reports and to process data generated by the Switch.
- Worked on a project of PDF (Portable Document Format) Reader, a platform independent way to store docs. Developed CCITT, JPEG decoders, interpreter for Postscript Language.
- Developed interpreters for True Type Fonts and Open Type Fonts. These fonts were developed by Microsoft and Apple.

Work Experience

April '18 – Till Date

Ops & Implementation - Leader

Responsibilities:

- I&C, Ops, Delivery, Program Management
- Software / Hardware / Solutions / Integrations
- O&M & MS

Company Profile:

TTSL, belonging to the prestigious Tata group of companies, has been India's leading enabler of connectivity and communication solutions for businesses across 2G / 3G / Wireline, cloud, security, IoT and marketing solutions.

TTSL offers the largest portfolio of ICT services for businesses in India. Also, with fibre optic network running across 125,000 km., operations in over 60 cities, 1400+ partners and the largest team with 1200+ professionals, TTSL is well geared up to cater to the small, medium & large business community in India.

Responsibilities:

- Plan the IT Stack needed for making the user experience seamless
- Guide the Tech Team in tech stacks & long term strategies
- Support overall IT Planning (Software / Hardware / Solutions / Integrations)
- Handling 4264-GSM, 1637-CDMA, 3068-3G, 1060-HSIA & 170+ wireline sites of ROM circle.
- Complete Operation, Maintenance & Implementation of ROM circle.
- Transmission, Radio Access Network, Network Implementation, Switch, RF & DC Infra departments of ROM circle.
- Leading a team of 250+ team members.
- RAN & Transmission operations of entire ROM circle.
- Fiber maintenance (around 4000Km) of ROM circle.
- DC maintenance of TTML owned BTS & wireline sites.
- Ops & maintenance of infrastructure of BTS sites.
- Daily outage analysis to reduce the outages.
- 1st level corrective maintenance of sites for any failure related to Infra/Media/Equipment etc.
- Tracking of HW / software alarms of BTS/BSC to improve availability & reliability of network.
- Daily tracking of key KPIs to improve network performance.
- Audit BTS trails to reduce outage & provide redundancy.
- Optimization of antennas in coordination with RF teams.
- MPLS conversion of 3G sites & FCD reduction by increasing the bandwidth.
- Handling both wireless & wireline complaints.
- Microwave link operation & maintenance for link restoration & availability.
- Ring splitting & ring restructuring activities.
- Version upgrades for BTS / NodeB / BSC / RNC of ROM circle.

- Hardware maintenance of NMS & M2000 servers.
- All regulatory requirements of DOT
- Huawei 3G RNC, Huawei GSM & CDMA BSC & BTS & ECI Transmission equipment.

Jul '14 – Oct '15

Tata Tele Services Limited
Cluster Head – Aurangabad

Nov '15 – Nov '16

TCTS Limited
Cluster Head – Aurangabad

Responsibilities:

- Managed 490-GSM, 170-CDMA, 223-3G, 93-HSIA & 50-wireline sites of Aurangabad cluster covering 6 districts (Aurangabad, Ahmednagar, Jalna, Beed, Parbhani & Hingoli).
- Operation, Maintenance & Implementation of Aurangabad cluster.
- Transmission, RAN, NW Implementation, Switch, RF & DC Infrastructure.
- Led a team of 40+ members.
- Fiber maintenance (~ 600 Km) spread across 6 districts
- DC / OSP infrastructure maintenance of TTML owned BTS & wireline sites.
- KPIs management.
- Network Availability of Aurangabad cluster was best in ROM.
- Aurangabad cluster was leading in all key performance indicators during my tenure.

Apr '09 – Jun '14

Tata Tele Services Limited
Mgr. – Switch Ops, Nagpur

Responsibilities:

- O&M of Huawei MSOFTX3000, ZTE CDMA ZXC10 & Ericsson AXE-810 switches.
- Configuration, fault & alarm of all 3 switches.
- Traffic management, network planning and functioning/ maintenance of communications links of all 3 switches.
- Hardware, software maintenance of all 3 switches
- Implémentation of IUC setup
- Customer complaints of entire Nagpur cluster
- Achieved 100% routing database audit compliance for continuously 9 quarters.
- Cleared all external audits with no NCs.
- Liaising with TERM as TERM cell for ROM is in Nagpur.
- DOT TERM 2G MRO testing completed for all 18 towns of ROM
- Developed software for CDR processing, macros for traffic report generation

May '06 – Mar '09

Tata Tele Services Limited
Dy. Mgr. – Switch Ops, Goa

Responsibilities:

- Work involved O&M of Ericsson AXE-810 switch & Lucent 5ESS switches
- Config, fault & alarm management.
- Traffic management, network planning / O&M of communications links.
- Maintenance & parameters measurements of NMS for local & remote terminal sites.
- Liaison with DOT & regulatory authorities for requisite approvals & clearances.
- Monitoring & optimizing resource utilization & safety of human and equipment.
- Implementing measures to maintain and meet ISO standards.
- Ensuring compliance with environmental & safety regulations.
- Review Ops practices, identify the areas of obstruction / quality failures and advise on system and process changes for qualitative improvement & conservation.
- Implementation of IUC (Interconnect Usage Charges).
- Development of software for CDR processing and Traffic Reports.
- Carry out IN system upgrades / updates of HW and SW

Dec '02 – Apr '06

BSNL
Jr. Telecom Officer

Company Profile:

Bharat Sanchar Nigam Limited (BSNL), is the national carrier having the max reach across the country with T-1 services such as Wireline, 2G, 3G, BB, Telco VAS Services.

Responsibilities:

- Worked at L-1 TAX (Ericsson AXE-10) at Thane, Mumbai.
- Installed and commissioned AXE-10 TAX at Thane.
- Had extensive exposure on LIM and SSTP equipment.
- Developed many tools for CDR processing as IOBAS was not in place then.

Aug '01 – Oct '02

Kothari Infotech Ltd.
Software Engineer

Company Profile:

KITL dealt in Graphics and Image processing, content generation and content reproduction.

Responsibilities:

- Single handedly developed PDF Reader to read PDF documents.