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OBJECTIVE

To continue my career with an organization that will utilize my Technical, Management and Administrative skills to benefit mutual growth and success. Delivering building development projects of varying size and complexity.

PROFILE SYNOPSIS

- Telecom professional having 6.8 Years of experience in the field of RAN Design, installation, Integration & quality check. Good knowledge of installation planning & Integration LTE.
- Expertise with the tools like

PROFESSIONAL EXPERIENCE

- Working as a Senior network engineer (RF planning & RF Design Engineer) on a Payroll of Tech Mahindra (May 2022 –till now)
- Worked as a Network engineer (RAN & RF Design Engineer) on a Payroll of NR Switch N Radio Services Pvt. Ltd (OCT,2021 – May ,2022)
- Worked as a Project Administrator (RAN Design Engineer) on a Payroll of DSP corporate solutions Pvt Ltd (OCT,2018 – oct 2021)
- Worked as a Project Administrator (Network integration) on a payroll of Altran Technologies India Pvt Ltd, CHENNAI. (Feb 2017 to April 2018)
- Worked as a Trainee Engineer on a Payroll of ERICSSON (Oct 2015 to Oct 2016)

TECHNICAL DETAILS

Hardware Knowledge	Nokia,Ericsson & Huawei
Technologies	2G,3G,4G,5G
Tools & Utilities	Nettern, U2000, Huawei Discovery, M2000 & Netact, STOV, Pplus, Prehcm EMF, U2020, PRS, Site forge,Atoll
Operating Systems	Windows

ACADEMIC QUALIFICATION

- BE(EEE) 2015: Park College of Engineering technology, Coimbatore with aggregate 60%
- XII 2011: Mount park H.S.S with aggregate 75.5%
- 2009: Danish mission. H.S with aggregate 8

Equipment Used:

NOKIA: Radio Modules: FXED, FRHB, FHED, FHEB, FXEF, FRGX, FRGU, FRGY, FRHC, AHEGB, FHDB, FXDB, FRHG, FHZI, FXEB.AHHB, AREA, ARDA, ARGA

Baseband Modules: ESMB, FSMF, FSME

- ✓ Air scale System - ASIA + ABIA for LTE L1800, L2600, L2100, NR2100, L900 & TD2500
- ✓ Air scale System with ASIK + ABIL + AMOB for 5G

ERICSSION: Radio Modules: ERS2260, ERS4480, ERS2460, ERS2242, ERS2217, ERS4415

Baseband Modules: BB6630, BB5216, BB6648

PROJECT DETAILS

Project#1:

Project Name:	**SSV**
Client	Globe (Philippines)
Role	Senior Engineer
Duration	(Nov 2022 to April 2023)
Team Size	30
Technologies	4G & 2G

Project#2:

Project Name:	**Massive DSS**
Client	Vodafone (German)
Role	Engineer
Duration	(Oct 2021 to May 2022)
Team Size	10
Technologies	4G & 5G

Project#3:

Project Name:	**SRAN**
Client	Star hub (Singapore)/orange (Mali)
Role	Engineer
Duration	(Sep 2018 to Oct 2021)
Team Size	4
Technologies	SRAN, 5G

Project#4:

Project Name:	**Massive MIMO**
Client	T-MOBILE, ATT **(USA)**
Role	Engineer
Duration	(Feb 2017 to April 2018)
Team Size	14
Technologies	LTE

Project#5:

Project Name:	**2G & CDMA**
Client	Reliance communication
Role	Trainee Engineer
Duration	(Oct 2015 to Oct 2016)
Team Size	20
Technologies	GSM, CDMA

RAN & RF/Planning

- Proposal creating for new site & swap site TI, CME scope.
- RF Predictions.
- Providing best & simple solution for each site.
- Path loss & gain analysis.
- Antenna height selection & radiation calculation.
- Transmission power & radio module power calculation.
- Creating the technical design document for each site.
- Creating diagram for antenna to rf module connection.
- RET & mechanical tilt planning.
- MIMO selection based on the population.
- Radio module selection.
- Designing TI & CME parts.
- Site designing with proposed information & existing information.
- Providing technical support tasks including fault diagnosis.
- DAS & Small cell design.
- Preplanning Radio connection, Antenna connection & system module connection in site.
- Creating SCF request (Based on the band, soft version & rf module) & coordinate with NPO team
- RFDS Design

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RAN/RF Design: -

- ✓ To Creating new site design, site upgrade/ Capacity/ Sector-Add/ Replacement/ Cell-split/ Metro-integration and Air scale 5G with L1800, L2600, L2100, NR2100, L900 & TD2500.
- ✓ Proposing/Upgrading Nokia Flexi Nodes to Nokia Air-scale 5G Nodes Hardware Equipment's to achieve the objectives defined by client/operator.
- ✓ End to end creation and modification of Node/Cell level Equipment's like Radio/Baseband Modules, RF feeder cables, fibre optical, Cabinet racks, TMA, Diplexer and Antenna/ Integrated Radio cum antenna's
- ✓ Recommendation of Antenna Azimuth based on clutter and taking existing traffic and neighbor nodes into Consideration.
- ✓ Providing better design to reducing cost.

RF Optimization:

- Prepared pre and post-drive test reports with KPI, problem cause, and recommendation solutions for re-drive.
- Monitored Key performance indicators (KPIs) such as traffic analysis, dropped calls, blocked calls, handovers, and channel congestions.
- Performed coverage optimization for single site and the cluster by altering antenna Up/down-tilts (Electrical + Mechanical) or azimuths to ensure better coverage.
- Planned and executed tasks to optimize LTE RF Clusters in the customer's network.
- Optimized existing networks by adjusting radio network parameters and recommending possible solutions to hardware problems.
- Calculated prediction plots, troubleshooting system degradations through daily statistics, and implement changes.
- Coverage improvement using RET changes, Antenna diversity, call selection, and reselection threshold.
- New site recommendations based on the worst coverage.
- Prepared pre and post-Cluster reports with KPI, problem cause, and recommendation solutions.

RAN/RF audit

- Fiber & jumper connection
- Site quality checking.
- Site survey documents analysis.
- RFDS validation.
- Site proposal validation.
- BOQ verification.
- After installation verifying connection.
- Site health checking.
- Port matric validation
- Alarm verifying.
- Verifying site installation quality over talon view session
- After site installation checking site parameters (Tilts, azimuth, jumper termination)
- Experience in Net Act tools such as NW Editor, CM Editor, CM Operations and NW License manager
- Monitoring & Troubleshooting the Service impacting /Non-Service impacting/Service degradation Active alarms
- Experience in LTE, CDMA, GSM, WCDMA UMTS
- Remote software uploads.
- Site health checking.
- Verifying VSWR values after integration
- After site installation checking site parameters (Tilts, azimuth, jumper termination

RAN/RF troubleshooting

- Remote integration.
- Site alarm monitoring & troubleshooting
- Ability to troubleshoot LTE, UMTS, GSM& CDMA radio modules.
- Have knowledge in Fiber & Transmission.
- Troubleshooting RET (port matrix).
- Site parameters planning.
- Reducing call drops &improving network quality.
- Checked for blocked calls, dropped calls and optimum intra-cell and neighbor handover functionality of each site
- Verifying hardware, tilt, antenna height & orientation, accordingly the site data base.
- Monitoring daily network alarms, hardware faults & resolving them accordingly.
- Prepared reports of the conducted drive tests and checked for network related performance issues in the received data.
- Have knowledge in E1 & ETHERNET communication.
- Analyses site performance after integration through drive test measurements.
- Integration of Radio modules via remote coordination with Field Technicians.
- Upgrading of Radio modules SW.
- Providing technical support tasks including fault diagnosis & troubleshooting

PERSONAL DETAILS

Gender	Male
DOB	25-05-1994
Languages	English, Tamil
Marital Status	Single
Nationality	Indian
Address	24, Vijayalaxshmi nagar, sandapet, Tirukoilur-605757 villupuram