**Vineet Goyal**

***Business Analyst***

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# **SUMMARY**

* Telecom Professional with a long (~16 Years) track record of providing capabilities for business around RF Planning, Optimisation, Network design & Implementation, Capex, Audit, Network Rollout and Managed Service operations of Wireless Telecommunication Networks.
* Strong Experience in Business Analyses, having experience of working on large data and covert it into simplified summaries to use for business cases. Bring experience obtained through a cross-functional organization to streamline data analysis, reporting and auditing.
* Certified Prince2 professional and agile enthusiast who mentors team member in agile way of working.
* Self-Learner, hard worker individual who thinks a working proof-of-concept is the best way to make a point.

# **SKILLS**

**Languages**: Python 3.6.4, SQL, JSON

**Data Manipulation:** Pandas, Numpy, Matplotlib,

**Database:** MySQL, MongoDB, Access

**Radio Technology**

* RF Planning – Coverage and capacity, Network Implementation as per design document and consistency check after implementation
* RF Design and Optimisation : VoLTE, LTE-A, DT, Parameter Tuning, Walk Test, Customer complaints ++
* Very strong field and Implementation knowledge
* Indoor optimization: IBC Optimisation, Walk Test, Fault Analyses

**Telecom Tools**

Planning Tool: Atoll, Momentum, Asset,

GIS Tools: MapInfo, Google earth, NearMap

Optimisation tool: Actix Analyser, Nemo Analyser, SCHEMA, TrueCall

Nokia Tool: Netact

Ericsson Tool: ENM (AMOS)

DT tool: TEMS, NEMO Outdoor, QuoliPoc, Nemo Indoor

ZTE tool: CNA, CNP, NetNuman,

General Tool: BI tool, SQL

**Telstra Tools and applications**: Actix One, Nemo Analyser, Nemo Outdoor, Dingbat, Dibbler, DAC, ART, Tempest, BMC, LOLA, Quokka, TrueCall, Canrad, Cobra, Quest, Devil, Cobra, Corella, Quoll, Dingo ++

# **ACHIEVEMENTS**

* Awarded for extraordinary contribution by Aircel Telecom for design and optimisation of 2K FDD LTE sites in 2016.
* Received ‘Star Performance’ award for LTE MRO Roll-out, delivered the project before the allocated timelines (Aircel-ZTE Project).
* Carried out RF Manager for MS Operations from 2014 to 2016 for SBU-01 & 02.
* Entrusted by Management to act as the RF Technical Lead for ZTE – LTE TDD site Roll-out, Optimization & AT in 2013-14.
* Lead RF Team for BSNL SWAP/New Roll-out project and received ‘Best performance in North Zone’ Award.
* Carried out duties as RF Consultant for WCDMA Optimisation of 1000+ sites in 2013 and closed the project in 6 Months timeframe.
* Assisted the team in the capacity of RF lead for Airtel LTE FDD Roll-out, Optimisation and AT in 2012.

**Communication skills**

* Delivered presentations on technical solutions, and actively participated in meetings and conversations, building excellent relationships with team members and all stakeholders.

# **WORK EXPERIENCE**

**Telstra July 2018 – till date**

**Network Engineering Specialist**

* LTE Optimisation:
  + KPI Optimisation: Accessibility, Retainability, Mobility, Integrity, Utilisation, Availability etc
  + Interworking between L700, L1800, L2100, L2600, L900, W850 and W2100
  + Alarm Monitoring and follow up
  + ASM chart analyses. Antenna/Cable/MIMO faults identification and rectification
  + DT/Call trace/WT/TrueCall logs analyses
* Monitoring Weekly, Daily, Hourly traffic and stats
* Small Cell: New small cell proposals, design check and audits
* Indoor Coverage Optimisation and Fault rectification with Walk Test (on VIP locations)
* Analyse site performance KPIs to identify build issues (Integration issues, hardware issues, Configuration issues, MIMO, Swapped Feeders)
* Long in-depth analyses of worst performing cells, RCA, improvement plan & Optimisation
* Alarm rectification, Physical optimisation, DT for problematic cells
* Capacity Augmentation with new carrier/Sector/Sites for high utilized sites
* 5G testing, configuration checks, database/parameters audit and verification
* 5G KPI’s RAN Worst Offender review and follow up with vendor

**AVP International Pty Ltd May2017 – Dec 2017**

**RF Consultant**

* Parameter audit and optimisation for LTE/WCDMA networks for Aircel.
* Parametric/Physical Optimisation to improve accessibility, retain-ability, integrity and mobility for network/ cell level for LTE network.
* Supported Offshore projects
* Prepared benchmarking reports for the TDD LTE network of Aircel.
* Prepared AT documents.
* Follow Network optimisation process and prepare network documents.
* Plan, design and optimise the performance of infrastructure upgrades required for Special Events.
* Site Data audit and report preparation.

**Aircel Limited, Gurgaon, India July 2014 – April 2017**

**Senior Manager – RF**

* Spearheaded operations as part of corporate RF Team and led Service Business Unit 01 & 02 (3000- LTE, 7000- 3G and 15,000- 2G Sites) across south India with vendor Ericsson.
* Responsible for managing new site planning, Preparing BOM, getting BCA, New site Roll-out and operations of existing network of SBU 01 & 02.
* Implement vendor solutions as well as prepare network design document to meet business requirements.
* Liaised with various vendors (Ericsson, ZTE, Huawei, and Nokia) as per their Service Level Agreements.
* Evaluated risk, prepare contingency plan with risk probability an ensure vendor compliance to commercial/ financial agreement terms and conditions.
* Worked on designing of Aircel Enterprise network using TDD LTE Technology.
* Conducted periodic preventive tests, quality control, and analysed capacity requirements and augmentation in the network.
* BCA/BOQ preparation for all new sites/project in SBU01 & 02. Presentation of Business case to management for approval.
* New equipment/feature trail and detail analyses
* Proven expertise in cost estimation, resource planning and engagement, highlighting and managing risks, issues and dependencies

**Achievements**

* Awarded for extraordinary contribution for planning, design and optimisation of 2K FDD LTE sites in 2016.
* Received ‘Star Performance’ award for LTE MRO Roll-out, delivered the project before the allocated timeframe.
* Carried out RF Manager WCDMA MS Operations (2000+ Sites) from 2014 to 2016.
* Entrusted by Management to act as the RF Technical Lead and Project Coordinator for Aircel – LTE TDD and WCDMA site Roll-out, Optimization & AT in 2014.
* Successfully conducted new feature testing/implementation for the below projects –
  + Technical Leading Aircel Narrow Band LTE MRO Testing (6 Circles)
  + CSFB Testing done with ZTE
  + CSFB Testing done with Nokia
  + CE Overbooking with Ericsson
  + PS-IRAT with ZTE

**ZTE Telecom India Private Limited, Gurgaon, India May 2009 – July 2014**

**Senior Manager – RF (LTE, WCDMA, GSM)**

* **Part of Corporate NPO team and lead the following projects:** 
  + Aircel TDD LTE Roll-out 2000 sites
  + Aircel FDD LTE Roll-out 5000 Sites
  + Airtel LTE Roll-out, Design and Optimisation
  + IBC Planning and Optimisation – using DAS, IBS, Pico/ Femto cells
  + New LTE and 3G sites for BSNL, HR & UAL Circle
  + 3G sites of Uninor Circles in 2 States
  + 3G sites of STEL Circles in 3 States
  + 3G sites of ETDB UPE, UPW and a State Circle
  + SWAP site planning for BSNL and UAL Circle
* Managed, mentored and trained a team of up to 25 engineers.
* Small Cell/IBS/WLAN design and implementation.
* Provided efficient support to commercial/ presale team for BOQ/BCA preparation and submission.
* Managed all aspects of projects from end to end – Pre-Sale support, Planning, Implementation, Optimisation, AT, Handover and Billing.
* **Displayed strong knowledge of Asset (AIRCOM) and Atoll (Forsk) tool.**
* Worked on KPI improvement for –
* LTE – Throughput, Payload, TTI, HO, Session success rate
* 3G (DCR –R99/ HSDPA, Payload, Throughput, SHO Factor, Congestion)
* 2G (SDCCH – TCH Completion and Assignment, RX Qual, HOSR, PSR)
* Performed capacity planning and optimisation to improve the spectrum efficiency.
* Design and Optimisation of network for low interference and optimal use of spectrum.
* Proficiently performed sites’ physical optimisation, DT and RF parameter tuning.
* Carried out LAC design and optimisation.
* Network Design and Implementation consistent with RF design standard

**Achievements**

* Received star employee award from ZTE CEO for outstanding performance for year 2013.
* Received star employee award from ZTE CEO for outstanding performance for year 2012.
* Received S-Grade for year 2009-2011.
* Contributed in KEY ZTE LTE Project as RF Manager for Airtel LTE FDD Roll-out, Optimisation and AT in 2012, received recognition from customer.
* Worked on BSNL SWAP/New Roll-out project and received ‘Best Engineer’ Award from Customer.
* Carried out duties as RF Consultant for WCDMA Optimisation of 1000+ sites in 2013.

**Aircom Internationals India Private Limited, Gurgaon, India April 2008 – May 2009**

**RF Consultant**

* Hired to plan new sites using Planning Tool ASSET (6.0 & 6.1) and AIRPRO V4.10.1.14.
* Supervised a team of 10 engineers to ensure timely project delivery.
* Accurately performed capacity calculation of WCDMA and GSM Networks.
* Formulated link budget and designed model parameters.
* Developed sites at preferred sharing and new locations as per the details given by the final client.
* Handled coverage prediction and plot submission.
* Conducted paging and LAC/RAC dimensioning, and Neighbor Planning.
* Issued final report and submitted data to clients in a professional and timely manner.

**Nokia Siemens Networks India Private Limited, India June 2004 – April 2008**

**RF Optimisation Engineer**

* Administered complete RF Optimisation operations across a whole State for Vodafone.
* Supervised new site planning and optimisation of new on-aired sites based upon client complaints.
* Led installation and maintenance of repeater in coordination with the vendor.
* Drove test team coordination in a Zone and analysed drive test.
* Analysed drive test log files and field optimisation related to handover addition, deletion and frequency retunes.
* Monitored traffic and analysed various counters for capacity, and traffic planning and augmentation.
* Identified problems related to quality parameters in the network and resolved client complaints.
* Tested weak coverage areas and implemented solutions such as repeaters.

**Achievements**

* Commended by Manager for playing a pivotal role in the projects – Team Lease and NSN – On Rolls.
* Trusted to manage GSM Wireless Network Optimisation for all Major KPIs with DT and Parameters.

# **MEMBERSHIP & CERTIFICATION**

* Advanced Diploma in LTE, Next G Technologies
* Accredited Course in Radiation Hazards & Awareness – (Australian Centre for Electromagnetic Bio-effects Research))
* PRINCE2® Foundation & Practitioner, Certificate in Project Management
* Technology Workshop for LTE, Mobilcom
* UMTS Optimisation Training, ZTE University, China
* Technology Workshop for 3G, ZTE University, China
* AIRPRO V4.10.1.14, Alcatel Lucent, India
* BSSPAR, Nokia, India
* GSM Forte Tool, SCHEMA
* Optimisation Workshop, Nokia, India
* Training of GSM Planning and Optimisation, Nokia, India

# **EDUCATION**

**Bachelor of Engineering (Electronics & Communication) 2000-2004**

MDU University, Haryana, India

**REFEREES**

*Will be provided upon request*