

VIKASH KUMAR

I am a dynamic professional with over 5 years of experience in Protocol Testing and Telecommunication projects, specializing in 5G/4G protocols, signaling, and media infrastructure. Skilled in 5G-NR, VoNR, VoLTE, IoT, and network integration, I excel at troubleshooting, optimizing, and delivering innovative solutions. My goal is to leverage my expertise and forward-thinking approach to drive advancements in telecommunications and contribute to impactful engineering projects.



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Profile Summary Skills & Work Experiences

Client	Jio, Airtel Bharti, Samsung, Ericsson.
OS	Windows, Android, Kai-OS, Linux.
Chipset	Qualcomm, MediaTek, Unisoc, ASR.
Protocols	SIP, IMS, SDP, Diameter, RTP, RTCP.
Domain	5G-NR-VoNR, LTE -VoLTE, IoT, I&C, ENodeB-Integration, Operation & Maintenance etc.
Devices	LTE feature phones, LTE Smart phones, 5G-phones, MiFi WIFI, ODU-IDU, laptop-Book, CDU-RDU, CISCO Router etc.
Software tools	Citrix, Accops, QXDM, Q-CAT, P-CAT, QFIL, ELT, Wireshark, Logel, Cat-Studio, Putty, X-Call, X-Cap, Site Forge, Net Velocity, Google Earth, Magnetic Compass etc. Friendly work with Adobe Photoshop, Acrobat, and MS Office (Word, Excel, Power point).
Learning	Improving learning of CCNA.

Overall 5+ years of Experience in IT (Protocol Testing), Telecommunication signaling & media.

- Good Experience on 5G and LTE protocols validation and Log-analysis, SIP - IMS, VoLTE, SMS, end to end call flow, call performance, voice quality test, Handovers, data performance, Call hold, Call Forward, call parking, call conference and devices Performance Testing like Handover, Cell-Reselection, RRE, OOS etc...
- Good Experience of 5G-NR, SA, NSA, NR- VoNR, Epsfb and 5G-NR/VoNR, VoLTE architecture.
- Working on Qualcomm, Media Tek and Unisoc proprietary tools like QXDM, Q-CAT, QFIL, ELT and Logel.
- Device chipset performance testing like modem test, feature and functional test, thermal test, build regression test, sanity test and FOTA test.
- Catalyst for Operations and Maintenance Project management, deployment, Integration, Quality control, Project deployment and Configuration. Troubleshooting, 3G, 4G Operations. Knowledge in routing protocols and CISCO ASR router, design and implementation of telecom project, WAN.
- L1 Support for Investigative and Fault management activities for ISP Access electronics like eNB, ESC CSS, MW(Ceragon), Wi-Fi, IBS, Small Cells etc.
- **Resolve any arising - problems at LSMR and Netspan etc. Backend support in alarm management. Support to field engineer by using CITRIX, NOC APPS, LSMR, PUTTY & USM for commission and integration remotely.**
- Good Experience of installation, Commissioning and Integration of EnB and MW Radio (Ip20c) and E Node B. End to end navigation, ATP and Vendor coordination. Experience of Citrix navigation and alarm monitoring for eNB.
- Physical Optimization by Antenna down tilt and reorientation for proper coverage. Tilt, alarm monitoring, PRB utilization. Responsible for site optimization according to recommendations. Validation and remove different coverage holes as per recommendation.
- To verify sector azimuths, technology and antenna Heights. Resolving Issues related to Swap, PCI Check& removing the Sector Swap, Cycle Swap on site.
- Ability to interact with end users, adopt new environment quickly. Good analytical skills and ability to work.

Experience

Employer's Name	Period					Designation
	From		To		Total Experience (Month)	
	MM	YYY	MM	YYY	Months	
Marquis tech Pvt Ltd.	May	2023	-	-	20 Months Continue...	Test Engineer
Ericsson Pvt. Ltd. (IWS)	Aug	2022	May	2023	10 Months	Quality Test & Integration Engineer
Samsung Pvt. Ltd. (XECUTEHR)	Jun	2017	Sep	2018	16 Months	Samsung site Engineer (SSE) Project Coordination
Overall Experience	Jun	2016	Jan	2025	5 Years +	IT – Testing & Telecommunication

A. Name of Employer : Marquis Tech Pvt Ltd.

Duration of Employment : 20 Months till Now
 Job Title : Wonderland DNI for Jio Mumbai. 5G Project
 Role : Device Protocol Test Engineer.

Responsibilities

- Troubleshooting errors (signaling & media) if any during deployment full DNI device test and validation and checking the Modem Logs, Blocker, Critical Issue and log analysis by Q-Cat, Wireshark, Cat-Studio and Logel.
- Performing device testing, chipset based mobile application testing, manual Feature testing, Functional Testing, System Testing supplementary call services like (call hold, call transfer, call busy, call forwarding etc.), Device Flashing, Mobility & Stationary Testing, sanity testing, and full scope of Testing.
- Debugging and Performed analysis in LTE, VoLTE and 5G technologies for finding the possible root cause and location functionality of devices End user product Testing and benchmarking of products and Performance.
- Performance mobility testing like Handover, Cell-Reselection, VoLTE-VoNR-VoWIFI-call, Call muting RRE, OOS.
- Performed RAN, IMS, PUSCH, RSRP, Current-Consumption, X-Cap-Interface, VoWIFI, UE-Capability Throughput and Latency testing with UE, Test EnodeB and Test GnodeB.
- Maintenance for pre and post launch products, including reproduction and diagnosis of problem. Preparation of bug & test summary report.

Technologies

- 5G-NR-VoNR and 4G-LTE-VoLTE, ODU, Air fiber and IoT etc.

B. Name of Employer : Ericsson Pvt. Ltd. (IWS)

Duration of Employment : 10 Months
 Job Title : Bharti 5G Project
 Role : Quality Test and Alarm Testing Engineer.

Responsibilities

- Testing Software X-Call, Site-Forge, Net Velocity, Ability to analyze the cell data of each sector.
- Volte MO/MT Testing, Ping /Latency Test, EPSFB/ VoNR Testing, Throughput Testing
- **Commissioning of E Node B and EnodeB Upgradation, Cisco/ Router integration and upgradation, CDU to RDU Upgradation**
- **End to end navigation of installation / Integration/ ATP and Vendor coordination. Vendor team management.**
- Full observation of installation standard quality end to end check points of installation by signaling and media
- Physical Optimization by Antenna down tilt and reorientation for proper coverage.
- Resolving Issues related to Swap, PCI Check& removing the Sector Swap, Cycle Swap on site.

Technologies

- 2G,3G, 4G, 5G, MW, RAN Technology for Bharti Projects, (UBR, TDD, FDD, L2100, TDD-SMALL CELL, FDD, TDD-TWIN BEAM, FDD-TWIN BEAM, L1800, L900, L850, L2100 TWIN BEAM, BBU-6630/ 6631, RAN Processor - 6651, 5G Small cell.

C. Name of Employer : XECUTE HR (Samsung Electronic PVT.LTD)

Duration of Employment : 16 Months

Job Title : Samsung Site Engineer

Role : Samsung Site engineer (SSE).

Responsibilities

- 11B-criteria and Integration support. do RF-E1 Survey, site optimization, ATP-11B (Data speed test).
- Check the quality of installation, routing of cables, Commissioning, Integration & ATP-11A of E Node B.
Defining various radio parameters as per planning, Configuring Cell & Sector, Troubleshooting on RRH, Antenna RET, and throughput issue.
- Microwave complete installation, alignment, commissioning and define radio parameter and troubleshooting problem.
- EnodeB complete installation commissioning and checking every punch point on every site. EnodeB reachability checking & transforming into Static IP mode. Alarm checking of EnodeB through OADF testing tool.
- Direct optimize and coordinate full site working process. Resolve any arising - problems at site.
- Check the quality of installation and routing of cables, Do ATP 11A and 11B,
- Commissioning of MW Radio (Ip20c), Integration of MW.
- Do RF-E1 survey to check the availability of site go or not go.
- Direct optimize and coordinate full site working process. Resolve any arising problems at site.

Technologies

- 4G (850, 1800, 2300), MW, Small cells, UBR, CDU, RDU, CISCO, ACE-Technology. Samsung, Rosenberger, Ceragon (IP20C), ACE - TECHNOLOGIES, CISCO.

Academic Qualifications

S N	Academy	Stream	School/Institute	Board/University	%age
1	B. Tech Full Time	ECE	Continental Institute of Engineering & Technology	Punjab Technical University From (2012 To 2016)	69.3
2	Intermediate Full Time	Non- Medical	M.D Intermediate College	Bihar Secondary Education Board (2010 To 2012)	60
3	10 th Full Time		JMV Residential School	Central Board of Secondary Education From (2008 To 2009)	77.6

Strength

- Good Personal and Communication Skills.
- Confident, Optimistic, Punctual and team working ability.
- Quickly adaptive to change environment and ability to rapidly build relationship and set up trust.
- Disciplined, dedicated and hardworking with an ability to easily adapt to changing Work-environments.

Personal Details

Father's Name	: -	Sri. Sudeshwar Verma
Mother's Name	: -	Smt. Kalawati Devi
Date of Birth	: -	19 th Aug1993
Gender	: -	Male
Marital Status	: -	Married
Languages	: -	Hindi / English / Bhojpuri/ Magahi
Address	: -	Patna, (Bihar), 801109
Nationality	: -	Indian

Declaration

I declare that all information given in my cv is to the best of my knowledge, belief true and correct.

(VIKASH KUMAR)