Imtiyaz Ahmed Mohammed

Austin, TX
-Email me on Indeed: http://www.indeed.com/r/Imtiyaz-Ahmed-Mohammed/69daba1e8a43e8d2

Seeking a position in an organization that can give opportunity to apply my extensive skills and knowledge in a growth- oriented environment primarily in the field of RF engineering, performance, optimization and design
✓ Result oriented Technical Team player with a total of 6 years industry experience and proven track record for achieving key objectives in Network Optimization, planning, design, drive testing, performance and hardware troubleshooting.
✓ Proven track record of successful management of 5G, LTE & VoLTE commercial Network deployment and roll out in pre/post launch optimization activities with strong management, organizational & technical skills in managing resources with various groups.
✓ Hands on experience on different Vendors platforms i.e., NSN (Nokia) and Ericsson on 5G, LTE, W-CDMA and GSM networks.
✓ Ability to accomplish organizational goals & project milestones within timeline in cross functional team environment.
✓ Proven hands on experience of optimizing existing 4G LTE & 3G UMTS networks by adjusting radio network parameters, neighbor's optimization, analyzing DT data & recommending changes for coverage & capacity enhancements.
✓ Good understanding of 5G NR architecture (NSA & SA), Massive MIMO, Beamforming, ORAN & mmWave concepts
✓ Strong Hands on experience in analyzing layer 3 messages for LTE & 5G NR
✓ 2 years of research experience in the field of wireless communication technologies like OFDM and MIMO OFDM.
✓ Good understanding of LTE's PHY, MAC, RLC, PDCP, RRC & NAS layer functions
✓ Strong Hands on experience on different RF tools & applications i.e. ActixOne, Asset, Atoll, LTE/UMTS OSS, SON,
MapInfo, TrueCall, IMNOS, TEMS Discovery, Investigation & Visualization.
✓ Hands on experience in RF Site Survey, RF Design, Knowledge of Link budget analysis & Planning tools like Asset.
Experience in preparing CIQ, RFDS, close out packages, capacity planning & performance engineering, NTP review, E911 provisioning and CD reviews

Sponsorship required to work in the US

Work Experience

Sr RF Engineer
Telecom Technology Services Inc (An Amdocs company) - Austin, TX
May 2020 to Present

Working as a network optimization & design engineer during 5G NR, LTE network rollout & deployment in T-Mobile's Austin market.
❖ Perform post launch optimization on newly integrated NSDs, AWS3 carrier adds, Sector Adds, L600 deployment, DAS sites, Small Cells & various other integrations and make sure the KPIs meet baseline & acceptance criteria.

❖ Work on mitigating Congestion on the newly integrated sites & it's neighbors by effectively balancing traffic b/w different LTE layers
❖ Perform validation checks by checking various parameters and alarms before turning up new sites.
❖ Create scripts and run plans to activate Dual connectivity between 5G NR and LTE (EN-DC)
❖ Resolve integration related issues by comparing SCFs, correcting Port matrix and checking if MOP is correctly followed during hardware installation
❖ Run various SON modules like LMS, ENDC, IFHO to improve performance of newly integrated sites
❖ Perform retunes on 5G NR & LTE sites to make sure sites are transmitting in the approved spectrum blocks
❖ Escalation of issues caught during review (Sector swap, PCI collision, Azimuth discrepancy) etc. to vendor
❖ Worked on implementing FOA for different Anchor Site configurations and to implement new features in the 5G and LTE networks
❖ Proactively perform parameter audits to make sure the newly integrated sites have parameter consistency
❖ Worked on detail RF design that included identifying site locations, issuing search rings, evaluating candidates, running different predictions, determining heights and antenna type, reviewing collocation package and construction drawings and completing RF data sheet

Sr RF Engineer
Company: Tech Mahindra Network Services International Inc.
September 2018 to April 2020

Client: T-Mobile
Vendor: Nokia (NSN)
Technology: LTE, VoLTE, W-CDMA & GSM
Location: Austin, TX
Worked as a VoLTE and LTE network optimization engineer during 4G LTE network rollout
❖ Checked VoLTE & LTE KPIs like Accessibility, Drop call rate, Throughput, SINR, Leakage, Traffic volume, etc. on newly integrated sites & its neighbors and perform optimization to improve the overall performance of the area.
❖ Designed and optimized newly integrated sites to minimize capacity constraints and improve SINR
❖ Worked on site Congestion issues and provide long and short-term solutions
❖ Used NSN OSS to implement idle mode thresholds related to SIB 3 to improve customer experience.
❖ Performed Optimization of sites based on poor DL throughput and challenged SINR.
❖ Used SON tool to run various modules and analyze the outputs & implement them to improve performance
❖ Monitored performance of Small cells and made changes to improve customer experience by effectively offloading traffic from macro sites
❖ Worked on RTWP & External Interference offenders by investigating and creating trouble tickets with FOPs to get them fixed.
❖ Helped market resolve DL Throughput degradation on Airscale sites by extensive troubleshooting and implementing
Knife SW package to resolve the issue
❖ Worked on various other projects assigned by the client & deliver it within the provided timeline

RF Engineer
Intelligent Solutions Group Corp - Austin, TX
March 2015 to September 2018

Client: T-Mobile
Vendor: Nokia (NSN)

Worked as a RF Performance Engineer in T-Mobile's Austin market.
• Actively performed daily LTE Network optimization, KPI monitoring and trending for different clusters in the market.
• Performed LTE Network health check every morning to identify & to escalate ACC, RET, HOSR, IRAT, UL RSSI offenders.
• Worked on multiple projects: LTE KPI Improvement, LTE and UMTS Deployment, Carrier adds, BW upgrade and
LTE & UMTS Retune in the market. Involved in multiple VoLTE parameter trials.
• Implemented 3CC Carrier Aggregation for the entire market to help improve data speeds for the customers.
• Identified PIM offenders and provided troubleshooting procedure to resolve the PIM issues
• Proactively performed audits related to Output Power, PCI collision, RSI, VSWR, IRFIM/LNHOIF and events related
HO parameters.
• Conduct Network Parameter & Field Guide Alert audits to meet & to implement National Gold Standard guidance.
• Reviewed RFDS for LTE 2C/3C carrier adds and check antenna type, models, azimuths, tilts etc.
• Mentored other market engineers by conducting different training and hands on session for quick knowledge transfer.
• Optimized Venues & Special events in the market by placing Hi-Cap parameters on sites to handle capacity needs.
• Supported the market in Disaster recovery during hurricane Harvey in 2017 by helping in site recovery process and by optimizing & implementing special parameters on the sites for reducing coverage holes.

Graduate Teaching Assistant
Northern Illinois University - DeKalb, IL
August 2012 to December 2014

❖ Worked as a tutor and laboratory assistant for Basic Electronics & Circuit courses in the Department of Technology,
Northern Illinois University.
❖ Assisted students develop analytical and problem-solving skills to get a comprehensive approach in their courses.
❖ Helped students in performing various experiments and solving problems encountered by students while performing the experiments.
❖ Helped students understand the experiments and verifying results of the experiments.

Education

M.S in Electrical Engineering
Northern Illinois University
March 2015

B.S in Electronics Engineering
Osmania University - Hyderabad, Telangana

Skills

- C, C++, Verilog HDL, Python, MATLAB
  Networking: TCP/IP, OSI Architecture, and Communication Protocols
  Academic Courses: Analog & Digital Communications, Digital Signal Processing, Satellite Communications, Mobile
  & Cellular Communication, Antenna Theory & Design, Random Signal Processing
  Platform: Windows, UNIX

- Java