Elchin Murad

USA
-Email me on Indeed: http://www.indeed.com/r/Elchin-Murad/01e440170612112e

USA citizen

Authorized to work in the US for any employer

Work Experience

DAS & RF Design Engineer

Satelcom Wireles A.S
April 2017 to Present

USA
• Designing Cellular Mobile Network (GSM & UMTS /LTE, Outdoor DAS, Backhaul, Macro Cell, Small Cells and Wi-Fi/DAS System)
• Creates and reviews search area candidates within geographic area by taking into consideration performance issues, capacity, topography, and population.
• Optimization, Tracking and Troubleshooting Radio Network Problems In building DAS, Outdoor DAS, Small Cells, and Macro cell
• Evaluate (BOM / BOQ) antennas and equipment for performance and future growth Radio Network.
• Design new Wi-Fi/Das sites and infill sites existing GSM & UMTS /LTE Network
• Optimization and Support the plan, design, and implementation of Wireless Wi-Fi/DAS, Cellular networks.
• Create site design RFDS and complete plumbing diagrams and CDD (Cell Design Data)
• Utilize propagation tools and other RF related equipment such as MapInfo, Google Earth, ATOLL, for site candidate comparison, propagation
• Site track Data base, Site Height, Antenna Model, Azimuth, Tilt etc.(2G/3G/LTE)
• Review of cell sites and design for upgrades/modifications
• Works closely with real estate team to increase efficiency, minimize cost, and streamline processes related to site acquisition, leasing
• Develop and analyze sectors, post construction, to optimize coverage and capacity
• Planning and design 5G networks.
• Test and troubleshooting wireless modems.

RF Engineer

Yupana LLC Walnut Creek - Walnut Creek, CA
August 2015 to April 2017

• RF site selection of UMTS/LTE (GSM, LTE, CDMA 1x, EVDO) network, AT&T, T-Mobile, and Verizon Networks (Ericsson OEM, Samsung, Nokia)
• Monitored UMTS / LTE Network KPIs and suggest changes like antenna tilt, orientation, neighbor list tuning etc. for optimizing the network by using Radio Network Statistics OSS (AMOS, Mo Shell, BO) tool.
• VoLTE & Optimization LTE Radio Network, LTE Design experience (Cluster or Greenfield).
• Achieve and maintain the Radio Network Performance, as per the MS Signed KPIs (Accessibility, Retain ability, Mobility & Service Integrity).

- Evaluate and adapt new methods and technologies regarding Radio Network Optimization, Features, and Trials, Tuning. Tracking and Troubleshooting Network Problems.
- Determination of regulatory coverage boundaries for extensions, FAA/FCC filings
- CDMA, CSD, STP, RF Fingerprinting Analog, CDMA, Flexed Modular cells (CDMA & PCS), RMT software,
- 5G Planning and optimization

RF Optimization & Design Engineer

TeliaSonera / Azercell Telecom LLC - Baku, AZ
July 2007 to April 2015

- RF Designed, Planned, Optimization & Performance Monitoring of Existing and New sites of GSM & UMTS /LTE Networks.(Ericsson OEM, Huawei)
- VoLTE & Optimization LTE Radio Network
- Prepared RSD / RFDS (Site Height, Antenna Model, Azimuth, Tilt etc.(GSM/UMTS/LTE) and CDD (Cell Design Data).
- Design new sites and infill sites existing GSM & UMTS /LTE Network, RNO (MRR, NCS, FAS) and traces (MTR, CTR).
- Site Data Base Preparation like Site Height, Antenna Model, Azimuth, Tilt etc.(GSM/UMTS/LTE)
- Responsible for reducing congestion and drops, improving the IRAT Handover, Soft Handover, Location Update, Paging, CSSR, RRC Connection & RAB
- Establishment Success rate in his designated area for all Voice, Video Packet & High Speed, issuing capacity requests whenever needed.
- Responsible for Inconsistencies Checks Radio Network, Configuration, monitoring and Optimization of HSUPA/ LTE.
- Capacity reshuffling /addition to offload high utilized cells from low utilized cells to make the optimum use of installed capacity in the network
- Experience signaling in between different interface specially Uu, Iub, Iur, Iu-Cs and Iu-Ps Design.
- Experience in working with different RAB services - CS, PS, HSDPA and EUL. CNA and CHA/MML., E911 and PSAP call testing in Cellular Network.
Edication

RF Engineer

Education

Bachelor Degree in Radio Telecommunication Engineering

Azerbaijan Technical University - Baku, AZ

Bachelor of Electrical Engineering

Skills

- RF Design
- TEMS Investigation -- Ekahau Site Survey
- Optimization
- IBwave, Aruba AirWave
- Network Planning

- ATOLL
- Spectrum Analyzer
- Actix Spotlight & Analyzer
- Vector Siganl Generator
- Power Meter
- MapInfo Professional
- Python
- Powerpoint
- Excel
- Visio
- planetEV
- Tableau
- 3G
- 4G/LTE
- Network Support
- LAN
- 5G
- Active Directory
- OEM
- Network Monitoring
- Leadership
- Locksmithing
- Mechanical knowledge
- Frame carpentry
- Microsoft Excel
- English
- Microsoft Powerpoint
- Telecommunication
- Help Desk
- WAN
- Electrical engineering
- VPN
- Operating Systems
- Software Troubleshooting

Languages

- English - Fluent