Basit,Abdul

Sr Engr Cslt-Radio Frequency
1701 Golf Rd
Rolling Meadows
Illinois
United States
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Work Experience

Employer:	Verizon Wireless
Job Title:	Sr Engr Cslt-Radio Frequency - Centralized Traffic - West Territory
Start Date:	August 2, 2021
End Date:	

Responsibilities and Key Accomplishments:

Primarily responsible for Traffic related issues/concerns for Central Texas region
  - Review of alignment of POR/BPY dates to KITT goals
  - Constant reinforcement of status and BPY/POR Year definitions, and the need to keep all dates constantly maintained
  - Monitor changes to network traffic and report out on it.

  - Data science enthusiast with interest in Machine Learning/Artificial Intelligence
  - Well Versed with AI/ML tools like Python programming, Tableau, SQL queries, Knime, Power BI

Some notable achievements while working for Territory
  - Automating the steps to calculate the nationwide SGFI budget
  - Working on Site Audit using coding through Python to come up with mismatches from VPI, SPM & Atoll
  - Created a dashboard to track the initiatives being added to SC/ODAS with respect to Small Cell Guidance 2023 & Beyond
  - Actively worked on creating the Nationwide 2022 POR Analysis dashboard

Employer:	Verizon Wireless
Job Title:	RF Planning Engineer - West Territory
Start Date:	January 1, 2020
End Date:	August 1, 2021

Responsibilities and Key Accomplishments:

Employer:	Verizon Wireless
Job Title:	RF Design Engineer
Start Date:	October 29, 2018
End Date:	December 31, 2019

Responsibilities and Key Accomplishments:

1) Coordinating with SP, NA, RE to resolve capacity/coverage issues in 6 of North Ohio Market.
2) Staying update with Site activations and RF task completions for my counties.
3) Coordinating with Nokia for FD-MIMO related specs and ATOLL setup.
4) Actively worked on 850 NR Design for Canton OH CMA.
5) Actively involved in 5G small cells ACP design
6) Helping team members for RFDS submittals for 5G, CBRS & LAA.
7) Regularly attending the FUZE Planning calls, trainings and VZATOLL calls
8) Analyzing offload predictions for new solutions in FUZE planning
9) Tried to complete the pending items in OPW RF Dashboard prioritizing with CQ/E911 submittals.
10) Actively involved in 4G/5G RF design best practices and team coordination.

Employer: TTS Wireless

Job Title: Senior RF Design Engineer

Start Date: July 24, 2018

End Date: October 24, 2018

Responsibilities and Key Accomplishments:

Working for Northern Ohio market as Senior RF Design engineer.

Employer: Resolve Tech Solutions

Job Title: RF Design Engineer

Start Date: July 1, 2017

End Date: June 1, 2018

Responsibilities and Key Accomplishments:

RF Design Engineer
Client: Verizon

Provide RF design services to Verizon Wireless Spokane Washington market based on multiband 700/850/1900 PCS/AWS1/AWS3 bands for Macro and Small cells. ▢ Reviews search area candidates within geographic area by taking into consideration baseline, performance issues, capacity, topography, and population. ▢ Work with the performance team to improve KPIs within the required area. ▢ Create site design RFDS and complete plumbing diagrams and evaluating antennas and equipment for performance and future growth in FUZE. ▢ Working with traffic and implementation counterparts to understand capacity improvements needed in the network. ▢ Utilizes propagation tools and other RF related equipment such as MapInfo, ATOLL for site candidate comparison, propagation and coverage review and selection, zoning and regulatory. ▢ Generate and analyze propagation plots for LTE RSRP coverage and SINR plots using Atoll ▢ Used Truecall to optimize and troubleshoot network and address customer issues ▢ Completing Siterra/SPM tasks for FAA/FCC filing. ▢ Site prediction/simulation/propagation generated from Atoll. ▢ Create equipment list in Siterra/SPM and create ISAs (In Service Agreement) for new and modification projects; call signs for 700/850/PCS/AWS. ▢ Create plumbing/DU/IT Diagram in Visio with complete DUS configuration. ▢ File for regulatory RFE (Radio Frequency Emission) for Macros and Rooftop and ensure EME compliance and FCC/FAA submission using regulatory application and verify ERP/EIRP is within threshold. ▢ File and submit E911 for 700/850/PCS/AWS bands for new build and site modification projects. ▢ Generate CIQ reports and work order flow in OneCQ

Employer: Unified Business Technologies

Job Title: RF Design Engineer

Start Date: June 30, 2014

End Date: June 8, 2017

Responsibilities and Key Accomplishments:

RF Design Engineer-3 years
Client: AT&T

Duties and Responsibilities ▢ Working as RF Engineer for AT&T's Mid West Region; Michigan/Indiana for UMTS/LTE design. ▢ Designing UMTS/LTE for Technology Expansion and Carrier Addition and creating Drive routes for pre-launch drives. ▢ Responsible for ATOLL Design of Fixed Wireless Local Loop (F-WLL) for Michigan market ▢ Generated FWLL and LTE WCS Mobility baseline projects at Atoll with market requirements and specific perimeter settings ▢ Created plumbing diagrams for Carrier Add of various sites and edited the RFDS template as per the requirement ▢ Primarily responsible for PACE related tasks and fixing of errors for PACE jobs/milestones ▢ Worked on new site built Technical Approval packages, their RFDSs and report submission ▢ Performed prediction and simulation on ATOLL for Low Band and High Band LTE sites to get baseline KPI and KPIs with New Site Builds ▢ Primarily Responsible for FirstNet Design Project Michigan/Indiana market • Antenna Selection based on current tower top configuration. • Create super clusters in ATOLL. • Run Baseline predictions and export KPI's. • Upload pre-defined hot-spots and calculate pathloss. • Use ACP to optimize tilts - Verify ACP configuration, sometimes requires manual optimization as well. • Run optimized predictions and export KPI's. Achievements ▢ Performed 700/850/PCS LTE network design for 5MHz/10MHz bandwidths to achieve predefined design KPIs using Atoll radio propagations for baseline, PICD and ICD site lists spanning each wave. ▢ Successfully setting up Atoll Carrier add project for LTE 2C/3C/4C Carrier adds designs and BWE triggers ▢ Generate baseline and optimized KPI for RSRP, RSRQ, SINR, Number of servers at 5dB/ 10dB and Effective RLC throughput ▢ Successfully Completed Optimized Baseline Design (OBD) for Fixed Wireless Local Loop (FWLL) project for AT&T Michigan market with 100% KPIs within aggressive timelines ▢ Optimized and mitigated coverage interference between FWLL and mobility sites ▢ Optimized FWLL sites across Michigan to cover maximum Living Units (LUs)/Subscribers to

meet the market KPI targets □ Performed New Site Build/Infill design using AT&T guidelines. □ Maintained green status of PACE AVP/Director level summary report for consecutive 6 months Skills Used □ Prepared & upgraded new RF Data Sheets to reflect RF changes such as Antenna Type & Model, Electrical/Mechanical Tilt, Antenna Height, Azimuth, RRH Top/Bottom, Fiber/Coax etc. □ Designing Cell site configuration for heavy Traffic Venue & Event sites using special purpose RF components like multibeam Antennas, Quadplexers, TMAs etc. □ Created plumbing diagrams for multi-carrier sites in MS Visio, MS Power Point, and color coded them as per the market specifications □ Creating and updating RF Data Sheets in Autoform/Excel for GSM/UMTS/LTE. □ Proposing site configurations using components like RX-AIT, MCPA, sharing/split sector Antenna etc. for specific sites with structural issues or space constraints □ Creating and updating Ericsso

Employer:	PMCL Mobilink
Job Title:	RF Planning Engineer
Start Date:	April 1, 2011
End Date:	April 1, 2014

Responsibilities and Key Accomplishments:

Performed Ericsson & Huawei 3G KPIs comparison for RRC, RAB, IRAT, HO failures, call drop, SHO failures analysis. □ Cluster level GPRS/EDGE Optimization, TBF Congestion/Failure cases, GPU Imbalance and CPU Load cases, PDCH Utilization, RLC Throughput, Coding Schemes Adaptation analysis □ Initial investigations against trouble tickets received from customer care and forwarding to the relevant departments for rectification □ Preparation of various reports on network coverage and quality for the Pakistan Telecommunications Authority □ Benchmark Drive Tests against other operators for voice and data networks and highlighting of issues to relevant departments □ Validation of coverage/capacity requirements of corporate customers with the view of enhancing network Performance in their premises □ Monitoring of network availability and hardware performance and earliest escalation of any dip in performance to Operations for timely rectification □ Analysis and Investigation of predefined list of Corporate subscribers (IMSI) through Cigale Service Level Management (SLM- VIP Care) software □ Detection and resolution of the root cause of high CSTCH Blocking, and other KPIs due to network capacity, HW Faults and other RF related problems through daily /busy hour KPI reports and Astellia IMSI based transaction

Employer:	LCC Pakistan
Job Title:	RF Engineer Level3
Start Date:	April 1, 2008
End Date:	March 1, 2011

Responsibilities and Key Accomplishments:

Worked as an RF Engineer for Optimization Drive testing for DenseUrban/SubUrban/Rural areas of Karachi. Responsibilities Included: □ Performed Indoor/Outdoor Micro-Macro Layer Traffic Distribution using Idle & Dedicated Mode Parameters. □ Identifying problems like Handover failures, Low power TRXs, drop/blocked calls, sector swapping □ Analyze traffic (TCH and SDCCH) trends of the cells, plan and implement capacity extension in time before congestion □ Network analysis, management and reporting. Optimization of Network through analysis of KPIs (CSSR, DCR, MPD, □ TCH Blocking, SDCCH Blocking, SDCCH Drop Rate, HOSR)

Education

Country:	United States
State:	Nebraska
Education Level:	Master of Science (MS)
Degree Details:	Master of Science in Data Science
Degree Status:	Not Graduated
Date Acquired:	November 2019
Major:	Data Science
School:	Bellevue University

Country:	Pakistan
Education Level:	Bachelor of Science (BS)
Degree Details:	Electronic Engineering
Degree Status:	Graduated

Date Acquired:	April 2007
Major:	Elect & Communications Eng
School:	Sir Syed University of Engineering and Technology

Career Interests

Career Interests:	Technology
Details:	- Data Science enthusiast. - Familiar with Machine Learning and Artificial intelligence. - Proficient in writing code on Python, and R Language to accomplish predictive analysis tasks. - Actively using Tableau and Power BI for data visualization.