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| **Swapnil Kadam**  300 Legacy Drive, Apt # 516 swapnil.kadam2520@gmail.com  Plano, Texas-75023 **Phone: (469)-263-3235** | |
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| **Education**  **Technical Skills**  **Career Summary** | **Southern Methodist University, Dallas, Texas. (May 2011) GPA 3.5/4.0**  Masters of Science (Telecommunications)  **Mumbai University, Mumbai, India. (May 2006) GPA 3.4/4.0**  Bachelor of Electronics & Telecommunication Engineering.  **Wireless:** GSM, CDMA, EDGE, UMTS, WCDMA, HSPA, LTE, VoLTE.  **Operating Systems:** Windows, Linux/Solaris  **Applications:** Putty, Remedy, Wireshark, TEMS 13.0.2, XCAL-MO, XCAL-M, XCAP, Aeroflex QXDM, QCAT, Gladiator, Streets & Trips, Delorme   * RF Engineer with 4+ years of experience in telecommunication industry. * Experienced in troubleshooting & optimization of in building solution (Small Cell). * Extensive knowledge of 4G LTE technology protocols & interfaces. * Experienced in analyzing drive test data & key performance indicator’s (KPI). * Experienced in software validation & deployment for commercial launch. * Capable & flexible to work under pressure and meet project deadlines. * Self motivated with ability to work under minimal supervision. | |
| **Professional Experience** | **Worldlink Inc., Client - Samsung Dallas- TX July 2013 - Present**  **Wireless Engineer**   * Responsible for performing FOA of two SmallCell products eFemto (Enterprise Femto) & rFemto (Residential Femto). * Responsible for testing, Integration & optimization of 4G LTE Smallcell. * Monitored & analyzed KPI’s such as dropped call rate, BLER, RRC failure %, handoff performance. * Optimized SmallCell’s performance by adjusting radio network parameters like RRC timers, handover threshold parameter values (A2, A3, A5), power ramping values, ROHC configuration etc... & recommending new possible values. * Responsible for SmallCell firmware release validation & testing. * Used spectrum analyzer, RF power meters. * Responsible for validating crucial Geoplan file which is used by Small cell’s during power up procedure. Geoplan file has information regarding surrounding macro sites and their frequency/band info. * Worked on resolving handover issue between SmallCell & Macro site in California West market. Analyzed logs using QXDM/QCAT. Identified issue in ANR functionality of SmallCell & suggested change in software code to HQ. * Responsible for troubleshooting live network issues with customer and provide them resolution in timely manner. * Worked on low throughput issue observed on SmallCell. Provided solution to the problem of fragmented packets receiving out of order by collecting & analyzing Wireshark logs. * Experienced in LTE packet core network protocols ( S1U , S1 MME , TR-069 etc..)   Also, worked on upgrading software of core network (EPC) elements, which are part of Samsung small cell network.   * Experienced in security/Authentication protocols like IKE,EAP-PEAP , IPSEC. * Experienced in VoLTE (voice over LTE) call failure troubleshooting & SIP signaling, also responsible for analyzing end-to-end logs, which includes UE & IMS core. * Worked on testing ROHC feature while making VoLTE call on Small Cell.   **Accuver Americas Inc. Dallas- TX Jan 2013 – July 2013**  **RF & Tools Engineer**   * Analyzing drive test & packet capture data using post-processing tool XCAP. * Providing drive testing (XCAL) and post processing (XCAP) tool support to customers. * Testing hardware equipment, which supports 20 data & voice devices simultaneously.   **Nielsen Mobile. Dallas- TX Nov. 2011 – Dec. 2012**  **Sr. Wireless Engineer**   * Responsible for defining tools and programs to conduct analysis and benchmark testing of voice and data networks of various cell operators in North America. * Analyzed layer 3 messages while troubleshooting carrier network issues. * Responsible for Post processing drive test data using tool “Gladiator” & preparing detail report which includes metrics like throughput, dropped call rates, BLER, RSRP, MOS score (for voice phones) etc. * Worked as drive test team lead. * Provided root cause analysis (RCA) of field related issues. * Validating software by executing test cases in lab & escalate issues to vendors to get optimized solution.   **Glow Networks Inc. Dallas- TX May 2011 – Nov 2011**  **Associate RF Engineer**     * Performed field testing of LTE and UMTS Network using TEMS 13.0.2. * Performed SSD of 4G LTE eNodeB’s. * Performed various test cases like CSFB, IRAT, Intra/Inter handover, throughput using ipref while cluster driving. * Monitored (KPI’s) RSRP, CINR values to decide the strength of network. * Used streets & trips, Delorme navigation software’s while drive testing.   **Southern Methodist University, Dallas -TX Jan 2010 – May 2011**  **Student Assistant**   * Assisting in configuration and troubleshooting of wireless connections and cell phones (email and wireless configurations). * Provided online Chat support. * Installing and upgrading PC/MacBook software.     **Reliance Industries Ltd. Mumbai, India. Apr 2007-Nov 2008**  **Technical Support Engineer**   * Successfully configured wireless communicating devices and monitor link between them and Access Point. * Creating trouble ticket in remedy in case of escalation of issue. | |
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