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| **VIRENDRA PATILEmail id-**[**virendrapatil25@gmail.com**](mailto:virendrapatil25@gmail.com)  **B.E. – Electronics and CommunicationMobile - +91-9717041135** |

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| **OBJECTIVE:** |
| In quest of innovative opportunities to be the benchmark for my peers in terms of projects handled, responsibilities entrusted, and results delivered. |

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| **CARRIER SUMMARY:** | |
| * 29Months (2.5year) of experience in **ARICENT GROUP(Gurgaon)**, India (April-2011–Till Date) as **Software Engineer (Developer).**   .   * 26 Months(2.3 years) of experience in **GSM (DSP)** domain. * Working Experience in **Physical Layer(L1)** in **DSP Domain** of BTS. * Analysis, Testing and Verification of various modules on Physical Layer of GSM. * Good understanding of **Layer-1 and Layer-3 Setups**for both **GSM and (E)GPRS**. * Involved and Provide solution in **various Customer issues**. * Development of Test Strategy and Plans. * Development and review of Test Scenarios and Test Cases. * Involved in **Coding** of various features, execution of Test cases for **Functional Testing, Module Testing, Integration Testing, Regression Testing, Sanity Testing** etc. * Ability to work well with little/no guidelines as well as be highly productive within a team. * Excellent interpersonal and communication skills. |  |
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| **TECHNICAL SKILLS:** | |
| * **Languages** –C andAdvance Assembly language(Lucent-16410 microprocessor) and   knowledge of Data Structure.   * **TOOLS** – GDB Debugger, GSM Analyzer(NethawkTool),TraceMaster,Abis Breaker,   HIT,Layer-1 Tester, CMU, Frequency Spectrum Analyzer,  Signal Generator(SMIQ and SMU),MXA,Quality Center, PVCS Dimensions,  Doctor Tool.   * **Operating Systems**–UNIX,Windows7, Windows (XP, 98). |  |
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| **PROJECT HIGHLIGHTS:** |

* **CLIENT**–NSN(Nokia Siemens Network).
* **PROJECT**-NOKIA’s CX-BTS (Ultra-Site and Metro-Site BTS Platforms) duration July 2011, till date.
* **TEAM-SIZE** –6 in DSP Domain.

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| **DESCRIPTION:** |

* I have worked on GSM & (E)GPRS on aLucent (16410) DSP processor for implementing**VAMOS (Voice services over Adaptive Multi-user channels on One Slot)**feature.

The software is written for a BTS named CX (Ultra Site and Metro Site BTSs). The feature which is implemented to double the existing voice quality on same physical channel i.e. Timeslot on which call is allocated to a user.

Earlier there was only single call possible on one Radio timeslot with Full rate Traffic channel and two calls for half rate Traffic channel. But with this feature two users are allocated on single Radio timeslot in case of Full rate TCH and Four users in case of Half rate TCH which exactly doubles the voice capacitywith same old hardware.

The current VAMOSimplementations will support in increasing the call sustainability even in the worst of environmental conditions by supporting AQPSK modulation in the Downlink Chain of BTS software with the same existing old hardware.

The implementation is on Physical Layer (L1), where I have worked onimplementation of transferring of Equalizer-DSP Control Bytes between Uplink &Downlink. I have very good understanding and exposure to L1 and L3 setups.Also created setups as per customer requirements. I did Sanity, Regression, Capacity/Load and Stability testing for various releases of VAMOS feature and customer issues.

* I have also worked for implementing the**PULIM(Precise Uplink Interference Measurement Test)**feature.

This software is also written for a BTS named CX (Ultra Site BTSs). This feature is implemented for measuring the carrier-to- interference(C/I) level of frequencies in the network, so that the customer/network providerknows that which frequencies have more interference level andnot to provide for mobile user.

* Presently, I am working on feature named**“MIXED\_OSC\_EDGE”.**

This software is also written for BTS named CX (Ultra Site BTSs). The feature is implemented for supporting Circuit switching (CS) call and Packet switching (PS) call at same time in a sector when hopping feature(Baseband & Antenna Hopping) is enabled within that sector of BTS.

* Working on feature, parallelley I have involved in various **customer issues and providing solution to them.**

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| **ACADEMICS** |
| * **Graduation** : B.E from Sagar Institute of Research &Technology, Bhopal in Electronics and   CommunicationEngineering (2006- 2010), with **75.9%**   * **Class XII**: M.P board (2006), **80.88%** * **Class X**: M.P board (2004), **72.47%** |

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| **AWARDS AND HONORS:** |
| * Got **SNAP AWARD** for contributing & successful deliver of **VAMOS feature**to client in company. * An **EventOrganizer** of several cultural & technical events held in college and a State level Tech-Fest “**ELECTROPHILIA-08”.** * Active member of Training & Placement cell in college**.** * During the training of **N.C.C. AIR WING**, I took part in gliding, firing, trekking, mountaineering, and other adventurous sports. * NCC **‘A**’ Certificate Holder at school level. |

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| **PERSONNEL DETAILS :** |
| * + Date of Birth: 25-August-1987   + Passport No: - **G7507927**   + Gender: Male   + Marital Status: Single   + Languages: English, Hindi, Marathi. |