

# Kuljot Singh

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## SUMMARY:

A Technical Person with strong background in IT/Telecom field done his graduation in Computer Science and Engineering, and dynamic professional who is currently working on Release 4 Networks, WCN, HLR, MSC, GPRS, MGW and Network administration. Natural multi-tasking abilities polished while handling responsibilities as a GSM Technical Expert. Proven capabilities for managing dynamic and demanding tasks, team player, optimistic and a quick learner. High inclination and sense of responsibility towards customer satisfaction.

## AREAS OF INTEREST:

Circuit Switching & Packet Data Services like GSM, GPRS, VoIP and WAP etc., WCDMA, Telecom Networks, SS7, Networking Technologies, Wireless communication, System Administration.

## BASIC QUALIFICATION :

**Matriculation** : Apr 1997 - Mar 1998 from Kendriya Vidyalaya Baddowal, Ludhiana affiliated to Central Board of Secondary Education, New Delhi.

## TECHNICAL QUALIFICATION:

**B. Tech. Computer Science and Engineering:** July 2001 – June 2004 from Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib (An ISO 9001:2000 certified institute; Accredited by Institution of Engineers (India) and NBA) with 73 %.

**Three Year Diploma Computer Science and Engineering** : Sept 1998 - June 2001 from Guru Nanak Dev Polytechnic Ludhiana affiliated to Punjab State Board of Technical Education and Industrial Training, Chandigarh with 70% marks(aprx.).

## PROFESSIONAL CERTIFICATION:

- **CCNA** (Cisco Certified Network Associate).
- **WCDMA/ Release 4 3G CN (Level-A)** Certification from ZTE China

## WORK EXPERIENCE:

**Company:** ZTE Telecom India Pvt. Ltd.

**Duration:** 1<sup>st</sup> March 2005 – Till Date

**Department:** WCN

**Designation:** GSM Technical Expert (WCN)

### Job Profile:

- **Installation and Commissioning Engineer (WCN/MSC/GPRS)**
- **Responsible for the Installation and commissioning of STP** – Complete Planning, Installation and Commissioning of 2 ZTE STP's at Spice Communication Ltd, Mohali. Testing of various services and troubleshooting.
- **Fully responsible for the Installation and commissioning of GPRS** – Overall ZTE GPRS system installation and commissioning at Spice Communications Ltd, Mohali. GPRS Core Network version Up-gradation. Handling routine GPRS operations and maintenance tasks such as Routine System Backups, Routine GSN nodes maintenance, Resolution of GPRS related problems and root cause analysis, Testing of Links with related offices like BSC, HLR and GSNs etc.
- **Responsible for the Installation and commissioning of MSC** – Complete Planning, Installation and Commissioning of 4 ZTE MSC's, 2 HLR's, 1 MSCS & 1 MGW at Spice Communication Ltd, Mohali. Testing of various services and troubleshooting.
- Coordinated with TEC Engineers for **TEC Interface Approval testing of ZTE Soft Switch ZXWN (V3)**.
- **Fully responsible for PS System software up-gradation** on GSN nodes.
- **Maintenance Activities** – Maintenance of system hardware, Creating and configuring signaling links (SS7) between MSC/SGSN node and other entities in the network, Creating other Links from MSC/GPRS to the related end points, Tracing signal flow using Signal trace. Interaction with our China ZTE R&D engineers in case of serious system failure, timely repair of hardware fault to ensure optimum utilization of

the network resources and to increase the network uptime. Network Congestion analysis to check Cell utilization, congested Cells.

- **Fully responsible for the Implementation of GPRS Roaming** – Alone Implemented the GPRS Roaming solution for Spice Communication Pvt. Ltd. Mohali.
- **Fully responsible for the Installation and commissioning of MMSC & WAP** – Overall ZTE WAP Gateway system installation and Commissioning at Spice Communication Ltd, Mohali. WAP Gateway Network Planning, testing of the WAP service with various WAP 1.0 and WAP 2.0 handsets. Implementation of various services/requirements given by the client (Spice Communication Ltd.). Testing of various services like MMS from Mobile to Email, Email to Mobile and Mobile to Mobile etc.
- **Implemented the GPRS roaming service solution** for Spice Communication Ltd, Mohali.
- **Did the Acceptance Testing** from ZTE end for ZTE MSC (V2 & V3), ZTE GPRS system core network installed at Spice Communication Ltd, Mohali.
- **Coordinating with the operator** for gathering service data requirements before and during the Installation and commissioning period.
- **CDR Administration** including MSC CDRs and GPRS CDRs. Co-ordination with operator billing department for smooth billing process.
- **Key member in:**
  - TEC Interface Approval testing of ZTE Soft Switch ZXWN (V3)
  - Installation and Testing of ZTE CRBT system at Spice Communication Ltd, Mohali; Involved in Integration with billing system.
  - Software and Hardware up-gradation of CRBT systems at Spice Communication Ltd, Mohali.
  - Installation and Testing of ZTE CBC (Cell Broadcasting Centre) system at Spice Communication Ltd, Mohali.
- Worked on and have sound knowledge of different protocols/technologies like CCS7, GTP, MAP, BSSGP, RLC/MAC.
- Providing Training to Engineer about the GPRS technologies and Networking devices like routers and firewalls.
- Providing technical support to Spice Communication Ltd, Mohali for problems related to MSC, HLR, GPRS and MMSC networks and helping to improve the network performance.

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**Company :** Reliance Infocomm Ltd., Jalandhar (July 1 - December 31)

**Duration:** Six Months

**Department:** MSC

**Designation:** Trainee Engineer

**Jobs Profile:** Grow and De-Grow of cell sites, Rehoming of cell sites, PH balancing, Creating Virtual Switches, Routing problems related to calls and data, Checking hardware of MSC, Backup of ECP, DCS & OMP, Checking & Removing alarms on RCS, Call & SMS testing, Searching AMA records, Making RF trace for the mobiles.

#### **TRAININGS:**

**Release 4 [3G] (CS & PS) CN Overseas Training (Level-A):** ZTE Corporation, Shenzhen, China (Aug 6, 2007 – Aug 26, 2007)

**Linux Administration :** CMS Computer Institute, Bombay [through New Bridge Technologies, Ludhiana] (June 12, 2002 - Aug 5, 2002).

**Oracle:** Zed Career Academy, The Mall, Ludhiana (April 26, 2000 - July 6, 2000).

#### **TECHNICAL SKILLS :**

**Operating Systems :** Windows 2000/NT/XP, HP-UNIX, Sun Solaris, Red Hat Linux ( **System Administration** ).

**Application Software's :** MS Office 97/2000/XP, Macromedia Flash, Adobe Photoshop.

**Languages:**

- **Proficient In:** C, C++ (GNU and ANSI), Visual Basic 6.0, HTML, DHTML

- **Knowledge Of:** JavaScript, PHP, ASP.

**Databases:** Oracle, SQL, MS Access, FoxPro.

## PROJECTS :

**-Device Driver Development (USB Device):** Developed a custom Device Driver for Sigmatel USB IrDA Device on Linux that will receive Infra-Red signals and will also control the Operations of PC through an ordinary TV Remote, GNU C++ is used as a front-end for Linux.

**-Network Client Monitoring :** Developed software for monitoring client's desktop on a network, it also shows the applications used and keys pressed by the client. Used MS Visual Basic 6.0 as a front-end and TCP/IP as the base protocol and project is provided by BBSBEC, Fatehgarh Sahib.

## ACHIEVEMENTS and ACADEMIC HONOUR'S:

**AWARDS:** On Job Star Performer of the Year 2006 award by ZTE Telecom India Pvt Ltd.

**TECHFEST 2003:** stood 2nd in event of On the spot Web Development in the techfest organised by Baba Banda Singh Bahadur Engineering College Fatehgarh Sahib (<http://www.bbsbec.org/> ) on 7<sup>th</sup> - 8<sup>th</sup> Nov. 2003.

**IIRA Entrance Exam :** stood 1<sup>st</sup> in entrance test conducted by IIRA Educational society, Jalandhar ( Red hat's educational partner) for **RHCE** training program on Feb 13,2003.

## PERSONALITY TRAITS :

### Strengths:

- Good analytical and problem solving skills
- Ability to adapt to changes
- Work in stress
- Sharp Mind, Hardworking and self confident
- Good team worker and a quick learner
- Good communication skills and fully dedicated towards job

### Weakness:

- Over involvement in job at hand

## JOB PROFILE :

To Accept A Challenging Assignment In A Dynamic Organization In The Field Of Network Technology / Telecom Having Professional Environment Where My Technical Skill Is Fully Explored & Utilized and where team sprit & personal skill is recognized and rewarded.

## PERSONAL INFORMATION :

Nationality : Indian.  
Sex : Male.  
DOB : January 6, 1983  
Languages : English, Punjabi, Hindi.  
Marital Status : Single  
Objective : Telecom Engineer

## REFERENCES :

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Switch Lead,  
Reliance Infocomm, Jalandhar (Pb).  
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