

## Curriculum Vitae

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### Career Objective:

To utilize my potentials to the fullest extent for the benefit of my organization and society, this would contribute towards the development of our nation.

### Professional Experience:

Organization : Wipro Technologies  
Position : Software Engineer  
Period : November 2011 –Till date (3.1 Years)

### Software Skills:

- Programming : JAVA, Python
- Frameworks : Hibernate, Struts2
- DBMS : SQL, PL-SQL
- Operating Systems : Ubuntu, Solaris
- Source Control : Clearcase, GIT
- Servers : Apache Tomcat, Bottle
- Web : jsp, Servlets, json
- Monitoring Tools : Zabbix, Nagios, Graphite
- Build Tools/Platforms : Openstack, Maven, Heroku, Jira, Jenkins, Hypervisor
- Protocols/Architectures : REST, CORBA, SNMP
- EDA/IDE Tools : NetBeans, Eclipse
- EDA Devices : Spartan 3E, AVR, Raspberry pi, Induino, Arduino
- Others : WCDMA, LTE, 3PP, NMS, EMS, FCAPS, RNC, RBS, AWS, Docker, KVM

### Projects worked on:

#### 1. Cloud Enabled Test Simulator (CETS):

Client Details	A Leading Telecom Network Equipment Manufacturer
Project Name	Solutions Lab
Project Description	Cloud Enabled Test Simulator is a cost effective solution built using Open-stack, which allows users to control large pools of compute, storage, and networking resources throughout a datacenter, through a dashboard that gives administrators control while empowering their users to provision resources, monitor the performance of their private cloud and also comprises provisions for fault detection through a web interface.
Role	Software Developer
Contributions	<ul style="list-style-type: none"><li>• Open-stack configuration and environment setup for compute node and controller node.</li><li>• Setting up a menu driven interface for the application.</li><li>• Building up REST API's to be used by the web services for provisioning and fault injection/detection using python scripting</li><li>• Introduce customized exception handling mechanisms to make the application</li></ul>

	<p>more robust.</p> <ul style="list-style-type: none"> <li>• Integration of different modules.</li> <li>• Cloud monitoring using Zabbix/Nagios.</li> <li>• Understanding the requirements and deriving the test cases in for multiple scenarios.</li> </ul>
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## **2. WRAN CM OSS-RC (Operational Support System – Radio & Core):**

Client Details	A leading European Network Telecom Equipment Manufacturer
Project Name	WRAN_CM
Project Description	OSS-RC is a comprehensive domain manager for network infrastructure deployed with operators around the world it integrates and manages a wide range of network components covering the radio access network, circuit and packet core and IMS as well as a range of other applications. Used together with our IP and Broadband offering it builds a comprehensive solution for total network management of the telecommunications infrastructure.
Role	Software Developer
Contributions	<ul style="list-style-type: none"> <li>• Design and Development of OSSRC products on Java.</li> <li>• Configuration of Network Elements within OSS-RC.</li> <li>• Requirement gathering for new implementations/changes proposed in the existing functionality and their implementation.</li> </ul>

## **3. Cloud Adapter:**

Client Details	A leading Network Telecom Equipment Manufacturer
Project Name	Cloud Adapter Integration
Project Description	<p>Cloud System adds cloud capabilities to an existing operator network. Carriers and service providers can grasp new market opportunities by enabling end-to-end elasticity using their network assets with distributed cloud capabilities such as computing and storage in the network, resulting in a better user experience for cloud applications, and more efficient utilization of network resources.</p> <p>The idea was to provide a solution for the integration of our Client's Private Cloud with existing OSS.</p>
Role	Software Developer
Contributions	<p>Involved in the requirement gathering and development of the cloud adapter.</p> <p>Below are the activities involved in:</p> <ul style="list-style-type: none"> <li>• Setting up the development environment which involved configuration and setting up of Linux machines.</li> <li>• Contributed to the startup script for the adapter.</li> <li>• Managing the notifications within OSS-RC via Producer Consumer model.</li> <li>• Implementing the authentication modules using Telecom Security Services.</li> <li>• Implementing the scheduler module for synchronizing the data in certain period of time.</li> <li>• Understanding the requirements and deducing the multiple test scenarios for quality checks.</li> <li>• Code migration to maven.</li> </ul>

### **Hobby Projects:**

- Developed several multiplayer games in Python, e.g. Stopwatch, Pong, Memory, Spaceship, Black Jack & Rice Rocks Full Game.

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- RTL design & Synthesis of a 32 bit Microprocessor using VHDL:

Our goal was to design a 32-bit microprocessor in VHDL. The processor will have all of the arithmetic and logic function that are on a standard 32-bit microprocessor. To give the project some user interaction, we set up the instruction input to be sent in one instruction at a time via a set of dipswitches and a pushbutton on the FPGA board.

Target Device : Spartan 3E  
Tools Used : Xilinx 9.1, Modelsim SE 5.7f

### **AWARDS & ACHIEVEMENTS:**

- Maestro Award for Making a Difference in Ericsson Account
- High Flyer Award for individual contribution in Ericsson Account.
- Secured the third position in the quiz organized by the ISTE committee of college.
- Organizer of the event TECHNOCRATS in CYNOSURE Version 1.1 a National Level tech fest

### **Certifications:**

- An Introduction to Interactive Programming with Python(RICE University)
- Embedded Systems & VLSI Design in Robotics at I2IT Pune.
- VLSI & Microelectronics from MNNIT Allahabad.
- Well Logging, Field Communication & Instrumentations from OIL India Limited.

### **Academic Qualification:**

Institute	Exam Passed	Year of Passing	Score
SRM University, Chennai	B.Tech (ECE)	2011	74.69
Guru Teg Bahadur Public School, Durgapur	C.B.S.E.	2007	58
Assembly of God Church School, Durgapur	I.C.S.E.	2005	72

### **Personal Details:**

Date of Birth : July 21<sup>st</sup> 1990  
Age : 24  
Father's Name : Sri Ratan Kumar Gupta  
Mother Tongue : Hindi  
Nationality : Indian  
Hobbies : Trekking, Swimming, Music  
Languages Known : English, Hindi, Bengali, French