# CurriculumVitae

(7yrs product Development on C++ and SQL, Informatica ETL)

**SANCHAYAN B**  11/12, KrishnaTemple road

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***Career Objective :***

*To provide my best of experience and knowledge for the Product Enhancement and Success against it competitors. To work as Expertise and contributing the Team in a product driven Environment.*

***Synopsis :***

* *Client Requirement Handling and DD*
* *Designing and development*
* *Feature Implementations*
* *Handling Bug Fixing and Upgrades*
* *Helped in Deployment Issues*

*Engaged in the Product the Customization for a new Customer (NBN) for network Inventory(SpatialNet)*

* *Understanding Client Requirements*
* *Handling Architecture and Design reviews*
* *Development and client Interactions*

*Engaged in development of RCS Server Application*

* *Worked in Rich Communication Suite 5.1 Feature Set.*
* *Engaged in application development on SIP Server*
* *Submitted a White Paper on Location based Tracking using RCS5.1*

*Engaged in development of Billing and Mediation Server Application(BSS)*

* *Engaged in ETL for several customers using Informatica PC*
* *Knowledge & hands on experience with Informatica PowerCenter 9.x/8.6.x*
* *Involved in Fine-tuning the Informatica , SQL to obtain optimal performance and throughput.*
* *Good working experience with Control and Monitoring of development & production support projec*

***Skills***

* *Database : Oracle10i,Mysql5.5*
* *Complex SQL queries*
* *Version Controller : Strong knowledge of ClearQuest , CVS*
* *Scripting : Shell , Python,perl*
* *Debugger : Gdb, Valgrind.*
* *DIME Documentation Server*
* *Rational Rose / StarUML for Designing and reverse Engineering*

***Language***

* *Strong Knowledge of C++ Advanced (STL,Design Patterns)*
* *Writing SQL queries*
* *C (Threads and IPC)*
* *VC++*
* *JASON and SQL queries*
* *ODdata*

***Libraries:***

* *C++ Oracle and Mysql (OCCI, Mysql)*
* *boost Libaries*

***Database:***

* *Oracle 10i , Occi interface with C*
* *My sql 5.5 , Mysql interface with C*
* *Upgrading Activity on MySql*

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| ***Employers History :*** |
| * Company SYNCHRONOSS TECHNOLOGIES (September13c – present ) * Web Address : **www.Synchronoss.com** * Designation : S.Software Engineer * Responsibilities : Development and Customizations of Customer Requirement’s * Nature of Work : Permanent * Duration : 1 year 3 months |
| * Company **Infinite Convergence Ltd. Bangalore(Dec -11 to August13)** * Web Address : **www.infinite.com** * Designation : S.Software Engineer * Responsibilities : D**evelopment of Cleint Requirment and Enhancment of Features**   **Work with Innovation Group**   * Nature of Work : Permanent * Duration : 1 year 8 months |
| * Company : **ARICENT Group Ltd. Bangalore(Jan -10 to Nov11)** * Web Address : **www.aricent.com** * Designation : Software Engineer * Responsibilities : D**evelopment of requirment, and handling deployment issues** * Nature of Work : Permanent * Duration : 1 year 8 months |
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| * Company : **MAC TELECOM Tech (Sep-07 to Jan -10)** * Web Address : **www.macil.in** * Designation : Assistant Engineer * Responsibilities : **CORE Development of Products & manual unit testing** * Nature of Work : Permanent * Duration : 2 year 4 months |
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***Exclusive Details of Projects and Implementations:***

* 1. ***Location based network inventory***

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| ***PROJECT NAME*** | ***Spatial net Location based network Inventory*** |
| ***Duration*** | ***August2013 -Present*** |
| ***Client*** | ***NBN Australia*** |
| ***Responsibilities:*** | * ***Development of the Product and Design Document*** * ***Handling Design Reviews*** * ***Writing Node Quires*** |
| ***Skills Used*** | **Language : C++, Python , Node.js**  **Tool : GDB,**  **Versioner : CVS** |
| ***Product Description*** | SPATIALnet to provide a simple bill of quantities in our Telco demonstrator system.  While it seems that this could be implemented completely within the customer configuration arena, there are some subtleties that this document raises which require some |
| ***Feature Description :*** | ***Customization and New Enhancement of the Product to Support the Telco network*** |

* 1. ***Convergence RCS (INFINITE CONVERGENCE)***

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| ***PROJECT NAME*** | ***RCS 5.1 (Geolocation Push/Pull between two SIP User Agents)*** |
| ***Duration*** | ***Feb 2013-Present*** |
| ***Client*** | ***US Cellular*** |
| ***Responsibilities:*** | * ***Development of the Product and Design Document*** * ***Handling Design Reviews*** * ***Coding*** |
| ***Skills Used*** | **Language : C**  **Tool : GDB, Valgrind**  **Versioner : CVS**  **Open Source : Asterick**  **Protocol :OSPF v1.0** |
| ***Product Description*** | The (Motorola)RCS is a best in class product which has a capacity of delivering providing the Chat service between two 4G Mobiles . It supports many enhanced Features Like chating , File sharing , Video streaming and Location sharing |
| ***Feature Description :*** | *The Geoloaction Push/ Pull mechasism of from a RCS Chat Clent -Originator to RCS-Chat Client Receiver.* |

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| ***PROJECT NAME*** | ***RCS 5.1 (RFC 4028)***  ***(SIP )*** |
| ***Duration*** | ***Dec 2012 – feb 2013*** |
| ***Client*** | ***Verizon(USA)*** |
| ***Responsibilities:*** | * ***Development of the Product and Design Document*** * ***Handling Design Reviews*** * ***Coding*** |
| ***Skills Used*** | **Language : C++**  **Tool : P2T (Unit testing)**  **Protocol : SIP v2.0**  **Versioner : CQ**  **Protocol : RCS5.1, RFC 4028** |
| ***Feature Description :*** | *This RFC is ment for refreshing the timers of the network element with SIP messages*  *Periodically and the timer values are negotiated and refresh packets are sent for the timers updations .* |

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| ***PROJECT NAME*** | ***(File transfer )***  ***(SIP and MSRP)*** |
| ***Duration*** | ***July 2012 – Nov2012*** |
| ***Client*** | ***Verizon(USA)*** |
| ***Responsibilities:*** | * ***Development of the Product and Design Document*** * ***Handling Design Reviews*** * ***Coding*** |
| ***Skills Used*** | **Language : C++, Python script,**  **Tool : Rational Rose, Visual GDB**  **Versioner : ClearQuest**  **Protocol : RCS 5.1 Spec FT** |
| ***Feature Description :*** | *The RCS provides enhanced messaging service*on  ***ATCA 2.0***  *boxes. The chat server is present in AS which supports 4G , 3G File transfer between two mobiles at the same time in the Chat session.* |

* 1. ***MOTOROLA SMSC (INFINITE CONVERGENCE)***

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| ***PROJECT NAME*** | ***SMSC (EMS Implementation)MOTOROLA Product*** |
| ***Duration*** | ***Dec 2011 – May2012*** |
| ***Client*** | ***Verizon(USA)*** |
| ***Responsibilities:*** | * ***Development of the Product and Design Document*** * ***Handling Design Reviews*** * ***Coding*** |
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| ***Skills Used*** | **Language : C++ , Jason**  **Versioner : ClearQuest**  **Protocol : EMS2.0 Spec SMSC** |
| ***Product Description*** | The (Motorola)SMSC is a best in class product which has a capacity of delivering 20 k msg per second. It supports many enhanced Features and Applications for the SMS. The Product has a geographic redudency mode and extensive back up supports. |
| ***Feature Description :*** | *The Ems provides enhanced messaging service*on  ***ATCA 2.0***  *boxes .For the Mobile sets supporting the EMS it provides much richer Context SMS(Sound ,Animation, Pictures). This is implemented for the client VERIZON so that all its* ***EMS enabled mobiles*** *can nowreceive EMS messages from the* ***SMSC.*** |

***2.1. PREPAID BILLING (COMVERSE)***

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| ***PROJECT NAME*** | ***Database Upgrade(My SQL 5.0 – Mysql 5.5)*** |
| ***Duration*** | ***Aug2011 – Dec 2011*** |
| ***Client*** | ***Comverse(USA)*** |
| ***Responsibilities:*** | * ***Impact Analysis on the Code Base*** * ***Linking the Upgrades with Code base*** * ***Code Enhancement for MYSQL Enhancements.*** |
| ***Skills Used:*** | ***Python , Sql queries*** |
| ***Product Description :*** | *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid*  *service (IN configurations only). IN converged model for rating and charging all subscriber voice and data transactions in real time****.***  *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid service (IN configurations only).* |
| ***Feature Description :*** | *The new version of the MYSQL provides siginificant upgrades on several performance parameters and interaction with the code and database part . The Impact on the old Interface part and the Enhancement areas in the codebase to utilize the new features in the code* . |

***2.2. PREPAID BILLING (COMVERSE)***

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| ***PROJECT NAME*** | ***CDR loading in Target DB*** |
| ***Duration*** | ***Oct 2010 – July 2011*** |
| ***Client*** | ***Comverse(USA)*** |
| ***Responsibilities:*** | * ***Designed mappings/sessions as per ETL Specification.*** * ***Development & testing of ETL processes & components using Informatica.*** * ***Creating mappings to load source data into target tables using transformations like the Joiner, Expression, Filter, Lookup & Update Strategy, Rank, Sorter.*** * ***Involved in end user support & bug fixes.*** * ***Involved in system as well as acceptance testing*** * ***Responsible for mentoring other developers in the team in the design & development of mappings & debugging failed sessions.*** * ***Reviewing the Deliverables.*** |
| ***Skills Used*** | **Language : SQL Query**  **Tool : Informatica PC 8.6**  **Versioner : ClearQuest** |
| ***Product Description :*** | *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid*  *service (IN configurations only). IN converged model for rating and charging all subscriber voice and data transactions in real time****.***  *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid service (IN configurations only).* |
| ***Feature Description :*** | ***Read flat file data, do necessary transformation & load data to target database.***  ***Extract data from Client server applications’ database, do necessary transformation & load data to target database.***  r |
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***2.3. PREPAID BILLING (COMVERSE)***

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| ***PROJECT NAME*** | ***Comverse Prepaid Billing*** |
| ***Duration*** | ***Jan 2010 – Oct2010*** |
| ***Client*** | ***Comverse(USA) VIMPLECOM*** |
| ***Responsibilities:*** | * ***Transforming data from one or more delta or mirror tables to load an EDW target table.*** * ***Extract data from Client server applications’ database, do necessary transformation & load data to Kansas database.*** * ***Designed jobs as per ETL Specification.*** * ***Development & testing of ETL processes & components using Informatica.*** |
| ***Skills Used*** | **Perl , bash and SQL Queries** |
| ***Product Description :*** | *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid*  *service (IN configurations only). IN converged model for rating and charging all subscriber voice and data transactions in real time****.***  *The Real-Time Billing – Converged Solution supports the prepaid service and the postpaid service (IN configurations only).* |
| ***Feature Description :*** | ***Read source data from oracle, do necessary transformation & load data to Kansas Oracle database & flat files.***  ***Loading data from an ODS incremental table to the associated delta & mirror tables. This process consists of extraction from a single source & load to a single target.*** |

***3.1. IMS Gateway (MAC India lmtd)***

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| ***PROJECT NAME*** | ***DWH Tool*** |
| ***Duration*** | ***2009 Feb- Nov 2010(10 months)*** |
| ***Client*** | **TATA power** |
| ***Responsibilities:*** | * ***Development of Debugging and process Documentation*** * ***Issues handling*** * ***Unit testing of the product*** * ***handling enhancements*** |
| ***Skills Used*** | **Language : C++,**  **Library : OCCI**  **Versioner : CVS** |
| ***Product Description :*** | *DWH is an utility to load multiple tables and generate a flat files or Excel according to the fields provided* |

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| ***PROJECT NAME*** | ***SIP –POT Gateway*** |
| ***Duration*** | ***Sep 2007- dec 2008(1 year 3months)*** |
| ***Client*** | **TATA power** |
| ***Responsibilities:*** | * ***Development of the Product and DDD*** * ***Debugging and process Documentation*** * ***Customer deployment Issues handling*** * ***Coding for Parser SIP messages*** * ***Coding for FSM for the G/W*** * ***Unit testing of the product*** |
| ***Skills Used*** | **Language : C**  **Tool : GDB, Valgrind**  **Versioner : CVS**  **Open Source : Asterick**  **Protocol :SIP v2.0** |
| ***Product Description :*** | *Sip gateway for Legacy POTS phones* |
| ***Feature Description :*** | *Voice transferring in an IP networkis done by RTP transferring the voice packets from the IP network .This is used as SIP to E1 Gateway . The core functionality of the Gateway is to convert the E1 messages to from to SIP messages.* |

***Education History:***

**1 st Class BE** (Instrumentation in 2007) from DIBRUGARH UniversityAssam

***Personal Details : -***

* Father's name ShriS.K.Bhattacharjee
* Date of Birth 21thsep, 1982
* Sex Male
* Marital Status Single
* Languages English, Hind,i,assamese ,bangla
* Permanent Address V.k. Road , westsripuria ,Tinsukia(Assam).

***Declaration : -***

I hereby declare that the information furnished above is correct and complete to the best of my knowledge and belief.

*Date :*

***SANCHAYAN BHATTACHARJEE***

*Place :*