

# Guneet Singh Sahai

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## Profile

- A Server Side Java Programmer with Strong Core Java Skills.
- B.E. (Electrical) from I.I.T. Roorkee - Batch of 1999.
- Startup Person: Entire carrier spent in working for startups in various roles.
- Hands-On Person who wishes to remain Hands-on.
- Worked as independent Freelance Software Consultant.
- Also Co-Founded a startup around <http://www.chahiye.info>
- More Information available at <http://guneetsahai.com>
- For Recommendations, please see my Linked in Profile at <http://www.linkedin.com/in/guneetsahai>



## Work Experience

<i>Organization Name</i>	<i>Duration Worked For</i>
<i>Freelancing</i>	December' 2007 – till date
<i>Chahiye Jobs Pvt Ltd</i>	[10 months] May 2008 – April 2009
<i>GISIL</i>	[20 months] March 2006 till December'2007
<i>Fiorano Software Inc</i>	[~ 5 <sup>1/2</sup> years] June 1999 – Oct 2003 & Feb 2005 – March 2006
<i>H.F.C.L. R&amp;D Division</i>	[1 <sup>1/4</sup> years] October 2003 till Feb 2005

## Important Areas of Work

- [Gisil] Key player in designing, building & maintaining **Transaction Platform** doing a few thousand transactions a day ([read more ...](#)).
- [Gisil] The above required interfacing with a **Bank** (in India) to move money across customer accounts near real-time.
- [Gisil] Worked on Indepay Virtual Card, a **Mobile Phone Based Payment** Solution ([read more ...](#)).
- [Fiorano] Designed, built, maintained & handled Fiorano MQ – Fiorano's flagship middleware **JMS** Server product ([read more ...](#)).
- [Fiorano] Designed a few modules for Firoano **SOA** Platform ([read more ...](#)).
- [HFCL] Exposure to NGN Technologies with **OSA/Parlay** in building Appium TAS based Centrex.

- [Chahiye] Single handedly built and managed [www.chahiye.info](http://www.chahiye.info). The site was operational for almost a year with a couple of thousand registered users with enhancements being done on a weekly basis.
- [Freelancing] Have extensively customized Salesforce.com platform using their proprietary programming language “Apex” to build a new CRM application for a client in tours & travel domain.

### Technology Exposure

- Strong **Core Java Skills** – including Threads, Sockets, and File IO – Have been using all of these and more in developing various modules for FioranoMQ.
- Strong **JMS Skills**. JMS has been my bread & butter for more than 5 years. I consider it as my strength & am very comfortable working over it.
- Web Application Development (**JSP/Servlets**) – Have fairly good understanding of the web-layer. Got decent exposure to this layer at chahiye & Gisil.
- Comfortable working with **JDBC** – Have implemented a generic connection management layer that sits between FioranoMQ Server & any JDBC compliant RDBMS Server.
- Good understanding of the complexity involved in HA (**High Availability**) Concepts - Have played an important role in building HA support in FioranoMQ Server.
- Fairly decent Understanding of “**Distributed Transactions**” – Was involved in implementing **XA** support in FioranoMQ.
- Also worked in developing modules for Fiorano ESB – A group of Fiorano’s high end middleware servers in **S.O.A** (Services Oriented Architecture) space.
- Have some experience working over **JMX** – In the process of building & enhancing JMX Component Container being used by Fiorano MQ and ESB.
- Enterprise Java Beans (**EJB**) – Used Stateless Session EJBs & Entity Beans over BEA Weblogic Application Server 9.2 at Gisil.
- I got some exposure to **Parlay Specifications** while building an Application framework over Appium TAS (Telecom Application Server) for HFCL. I find this space extremely interesting and would love to work on it again.
- Have experience in **Web Services** invocation. This was used at Gisil in interfacing with various partner servers while building VAS applications.
- Familiar with Development over .Net Platform (using C#) – Have debugged & fixed a problem in C# code for a client.
- Have developed a web application in PHP which includes very heavy usage of java scripting & AJAX for a client.

## Roles

I have worked in the following roles in previous organizations (list is in no particular order)

- Pre-Sales - Assisting sales team by giving them Technical inputs as & when required.
- Product Definition – Conceptualizing & documenting what needs to be built
- Engineering – Product Delivery. Of-course this is the part that is most enjoyable.
- Tech Writer – Documenting User Manuals.
- Tech Support – Getting feedback/defects from customer and enhancing/improving the product based on it.
- Of-course with my current role of a freelancer, I'm again working on almost all of these again.

## Tools & Softwares

<b><i>Operating Systems</i></b>	<ul style="list-style-type: none"> <li>• Comfortable with Windows, Ubuntu Linux (can also work with other distros of linux)</li> </ul>
<b><i>Java IDE</i></b>	JBuilder, Eclipse, Notepad ☺
<b><i>Build Environment</i></b>	Ant, IDEs build setup
<b><i>Source Control</i></b>	SVN, CVS, Microsoft Visual Source Safe.
<b><i>Debugging Tools</i></b>	JProbe, Optimize-It, Java in-built thread dump.
<b><i>Testing Environment</i></b>	JUnit, Fiorano's proprietary Regression Testing Environment.
<b><i>PHP IDE</i></b>	PHP IDE, Zend Studio

## Achievements

- Have successfully managed running the VAS Transaction Platform (at Gisil) in production for 8+ months with reasonable up-time without any major engineering issues.
- Have played an important role in growing engineering team from a single member to 25 member team.
- FioranoMQ has been consistently selling in the international market all across the globe with some huge names to boast of in its customer list (<http://www.fiorano.com/customers/customers.htm>). As Project Manager FioranoMQ I consider this as a big achievement.
- Performance Wars – Have played a key role in always keeping two steps ahead of competition in raw performance. FioranoMQ has always been considered as the fastest JMS server available – a fact that is acknowledged even by its competition.
- Have managed [www.chahiye.info](http://www.chahiye.info) for almost a year without any down-time due to technology problem in a constantly changing environment.
- Have had good working relationship with all the clients that I have worked for as a freelancer.

## Project Details

### GISIL

Gisil (<http://www.gisil.com>) is a product based company that is focused on building telecom & POS devices. I was part of & leading Value Added Services Team, which are offered on Gisil Devices through Gisil's VAS Server.

#### Pre-Paid Mobile Phone Top Up

This is service allowed Gisil Enabled merchant to sell Pre-Paid Top Ups through our Device. The application is LIVE and is being used by merchants across the country. A few thousand transactions are being done on this service on a daily basis.

*Role - Design, Implementation, Tech Support.*

*Duration - 6 months*

*Team Size - 3 Developers*

#### Mobile Phone Based Payment Solution

This is a service that allows an end user to pay for goods/Services bought at Gisil Enabled Merchant through his/her previously registered mobile phone. A POC was created for this service that was fully functional & could demonstrate the idea.

*Role - Design & Implementation.*

*Duration - 6 months*

*Team Size - 2 Developers*

### Fiorano Software Inc

Fiorano Software Inc (<http://www.fiorano.com>) is a product-based company headquartered at Los Gatos CA, with a development center at New Delhi. It is a leading provider of enterprise-level technology platforms for application integration and messaging needs.

Work profile involved bug fixing, re-implementing sub modules of the server, designing and implementing new features, documenting a feature as well as testing. I Handled the entire JMS Team (FioranoMQ) consisting of about 7 smart engineers mostly from IITs. Some of the interesting projects done here are listed below.

#### FioranoMQ File based Database

This constitutes building the backend database of the JMS Server, which provides reliable way to store and retrieve chunks of data. Till date, FioranoMQ's database has been its biggest strengths.

*Role - Design & Implementation.*

*Duration - 3 months*

*Team Size - 4 Developers*

## Bridges

This involved creating an interface between FioranoMQ and other messaging technologies like MSMQ, IBM MQSeries and Tibco Rendezvous. The project initially involved creating an infrastructure within which a bridge to any other messaging technology could run.

*Role – Design and Development.*

*Duration – 3 months (distributed)*

*Team Size – 2 Developers*

## Clustering

This involved providing server-to-server communication channels. This allowed applications a way to avoid a single point of failure in their system.

*Role – Design and Development.*

*Duration – 2 months*

*Team Size – 3 developers*

## XA Transaction support

This project involved implementing the advanced features of the JMS specifications that allow FioranoMQ to be a part of a distributed transaction.

*Role – Development.*

*Duration – 6 months*

*Team Size – 5 developers*

## HFCL R&D Division

Himachal Futuristic Communication Ltd (HFCL) R&D Division is based in Gurgaon. The NGN Group (of which I was a part of) was focused on building Telecom Applications over IN.

## HFCL Application Framework

This project involved building up of generic application framework over Parlay. The framework provided basic facilities required for building a telecom application and allowed reading of the call state machine from an xml file in the form of SIBBS. The project was built over Appium Telecom Application Server.

*Role - Design & Implementation.*

*Duration - 3 months*

*Team Size - 4 Developers*

## Centrex Call Control Application

This project involved building a Centrex application over the framework. It involved building the call state machine, the web based user and operator's GUI & designing the application database. This was a pure 100% Java solution.

*Role - Design & Implementation.*  
*Duration - 3 months*  
*Team Size - 4 Developers*

### Group Messaging

This project involved building an SMS solution that provided sending short text messages to a group in a single shot. It provided web, wap and sms interfaces to the users and also provided a mechanism to synchronize the address book on the phone with the application database through Sync ML. The application was built over Weblogic 8.x platform and used Oracle 8i as the back-end database.

*Role - Design & Implementation.*  
*Duration - 4 months*  
*Team Size - 4 Developers*

### Miscellaneous Information

Date of Birth – 12<sup>th</sup> May 1976.

Marital Status – Married

Preferred Area of Work – Gurgaon/Delhi

Possess a Valid 10 year multiple entry Business Visa for U.S.A