



Dhiraj Thakur

Synopsis: Over 2.7 Years of IT experience and 2.7 Years of experience in java. Currently, as a Developer, mapping the functional requirements of the client into detailed system design and development using Java / J2ee Technologies. Expertise in Security and Finance domain.

EXPERIENCE SUMMARY

Has over 3 years of experience in Developing Software applications

- Extensive experience in Java, j2ee.
- Experience in developing enterprise application on Application Server (JBOSS, Glassfish, and Sun Application Server).
- Well acquainted with Software Development Life Cycle.
- Strong fundamental knowledge in Distributed software development using JAVA EE5, EJB3, JMS, Multi Threading.
- In-depth programming knowledge for Money Market using widely accepted APIs in the financial industry e.g. Reuters SSL, RFA, Bridge Toolkit, TIB/Rendezvous.
- Real-Time Programming utilizing Multithreading and Synchronization Mechanisms on WinNT/Linux used in both financial and industrial applications
- Flexible enough to adapt new environments.
- Sound knowledge in analysis of functional issues.

QUALIFICATION

Degree	Institute	Percentage
Bachelors in Computer Application (BCA)	Periyar University	55%
Certification in Computing (CIC)	IGNOU	67%

Working with SK-International. From October 2007 – Till date

PROJECT EXPERIENCE

Project Name : BSE Crawler
Role : Team member, Analyst
Client : Reuters India
Environment : JAVA 5, Windows ,Linux Netbeans Platform, Multi Threading

Areas of Experience

Industries

Security and Finance

RDBMS

MS SQL Server 2000/2005,
Oracle, MYSQL, Postgresql

Operating Systems

Windows 98/NT/XP Windows
2000 Advanced Server
Redhat4-5(Linux), Unix

IDE

→ Eclipse
→ Netbeans
→ JDeveloper

Enterprise Framework

→ SPRING FRAMEWORK
→ SEAM FRAMEWORK
→ J2EE, EJB, JMS

JAVA FRAMEWORK

→ JSF STRUTS 2, GWT
→ SPRING BATCH,
QUARTZ
→ RICHFACES, ICEFACES
→ DWR

Other Framework

→ RFA
→ RSA Secure Id Auth
engine

Application Server

→ Jboss
→ Glassfish (Sun application
server)

Duration : JAN 2010 to Till Date.
Tools Used : Technologies: Java-5, Swing, Netbeans Platform, HTML parser, derby database

Description: BSE crawler is a client and server application, its server crawl the BSE India and download the content related to latest announcement and related attachment than it map those data in memory, our algorithm filter the announcement and provide the latest announcement detail from the downloaded content and notify the client program about availability of latest announcement, client application displays the content detail on screen and its alert window turns red when the user view the alert and download the attachment than alert turns white.

Client application provides the top 10 list of recently fetched announcement.

Roles and Responsibilities:

- Responsible for developing architecture of server application and creating client application on net beans platform.
- real-time parsing records / data
- Filtering the downloaded data.
- KT sessions to team members on application functionality.
- Reporting to the Project manager on status of the project.

Project Name : Market Feed Terminal (Terminal Product to display real time market update)

Client : Thomson Reuters

Role : Team Member

Environment : JAVA, J2EE, Glassfish App Server, Linux/Windows

Duration : NOV 2009 to Jan 2010.

Tools Used : Technologies: Java-5, JSF 1.2, dwr-3, JPA, TibcoGi, JMS, RFA (Reuters Foundation API), ejb3

Description: Market feed Terminal provide the real time Forex, Commodity and stock update on browser. User can subscribe instrument based on their Instrument name eg: ORCL.O or Company Name Oracle, User can see the price difference based on opening, closing, and current price based on the subscription. Feed is streamed from Thomson Reuters Rendezvous server. Account Manager can create the subscription, can add the instrument to the subscription package, and assign the subscription to the customer, when the user log in user can only see the subscribed instrument feed. And when the subscription is expired an alert is send through email and user get the alert when user log in. all the instrument are persist in hive.

Roles and Responsibilities:

- Full-cycle development of real-time data processing and contribution applications targeted for Money Market.
- feed handlers
- real-time composite records / data
- processing paginated data into logical records (page shredding)
- Reporting to the Project manager on status of the project.
- Target infrastructures and RTIC/RMDS.

- Transport layer using Reuters SSL or TIB/Rendezvous

Project Name : Real Time Gross Settlement (RTGS) Hub
Role : Team Member, Analyst
Client : Calyon Bank
Environment : JAVA 5, ibm MQ5, Windows 2000

Tools Used : Java 5, spring batch, common i.o, derby database, MQ API.

Description: RTGS hub is integration platform between RTGS system and third party application like core banking application , and another financial software, third party application send the smfs text message in text file and certificate to hub, hub check the text file with certificate whether file was change from unauthorized user or not if it is not changed than it parse the text file and push the data to IBM MQ queue using IBM MQ api and if transaction is success full that it move the file to out folder and if the transaction is failed due to external reason than it move back text file to in folder and repeat the procedure. Text data is sent to RTGS through batch process

Roles and Responsibilities:

- Study of rtgs participant interface documentation provided by vendor Logica.
- Responsible for developing application with the co-ordination with Logica support team member.
- Architecture design and Development of the application.
- Setting up sender and receiver channel between ibmmq client and RTGS ibmmq in data center of Caliyon bank.
- Testing of application.
- Handover of application to the project manager of calyon.

Project Name : Debt Portal (Financial Instrument Trading software)
Role : Team Member, Analyst
Client : Trust Capital Services
Environment : JAVA, J2EE, MS SQL, Windows 2003

Tools Used : Java-5, Struts2, Spring 2.5, dwr-3, hibernate3, TibcoGi, JMS, MS SQL 2005

Description: Debt Portal is a online Trading Terminal it allow customer to buy and sale primary and secondary instrument, it provide the real time instrument feed to the customer, customer can view the price trend related to the instrument, Account manager can view the history / graph related to bid, Ratings, Price Trend etc, Account Manager can do multi chat with customer and customer can do chat with Account manager assigned to him, A/Manager can publish the document related to instrument which customer can download any time, A/M can do broadcast to all the online user / to the user who are assigned to him, if customer is not online broadcast message is send to the customer via email, Primary instrument are moved to Secondary instrument by using batch process, A/M can also create various report using our B.I too which is integrated with application and report can be exported in pdf, and excel format, customer can also access the application using mobile browser.

Roles and Responsibilities:

- Understanding the client requirements by studying functional document, SRS.
- Developing the architecture of application, feed terminal and messaging infrastructure to handle thousands of concurrent users.
- Development of framework for this application.

- KT sessions to team members on application functionality.
- Reporting to the Project manager on status of the project.
- Deployment of a application on client's data center and creating a active-active cluster of the application.
- Training the Client's user on how to use application.

Project Name : RSA Secure Id through web service
Project Type : **POC**
Role : Team Member
Environment : JAVA, J2EE, My SQL, Windows 2003
Duration : AUGUST 2008 to AUGUST 2008.
Tools Used : java 5, Struts 2, Hibernate 3.2 (Core, annotation), Oracle 10G, DWR, Spring framework

Description: Client was looking for a solution to secure online high value transaction on their bank portal, they asked us to do **POC** on two factor authentication using RSA Token via SOAP web service. Our application takes a token number through web service and we return different response through web service.

Roles and Responsibilities:

- Understanding the client requirements by studying functional document.
- Responsible for developing framework and web service.
- Demoad the application to the customer.

Project Name : SSO (Single Sign On) and RSA Token Integration
Role : Team Member, Analyst
Client : **Bajaj Capital**
Environment : JAVA, J2EE, Oracle, Redhat 5

Technology : Struts 1.2 , Java jdk 5, Oracle 10g, jDeveloper for data modeling and ER diagram, My Eclipse 5.5 , Hibernate, RSA Secure Authentication Engine API, GCC compiler (Linux RHEL 5) , JBOSS application server 4.2, Birt reporting engine.

Duration : OCT 2007 to APRIL 2008.

Description: Bajaj capital have 5 different web based financial application each has its own authentication system Bajaj Capital was looking for 2 factor authentication using RSA token and single authentication system for all five application and user will get access to those application based on user role and subscription.

Our application is divided in 3 part RSAADMIN, RSAUSER, and RSA web service. RSAADMIN allows root admin to manage application and admin and it allows admin to manage user, subscription, user activity logs, RSA-token, assigning and de-assigning of token, enable and disable of token and user a/c, assigning and de-assigning of services to user group, assigning and de-assigning group to user, and managing report . Each and every activity of admin is logged in database.

RSAUSER allows user to authenticate using RSA-token within n Windows, providing incorrect token for more than three times result in a suspension of user a/c, reusing the same token number result in failure in authentication and providing same token number for more than 9 times result in suspension of a/c and token. And if user authenticate for the first time application force user to change password.

And if user authenticate after the gap if 14 days it ask user to change password.

On successful authentication it displays the allocated service to the user when user click on the service user is redirected to site providing respective services.

We are using identity manager to identify the user. Once we identify the user we insert unique encrypted value in header which we use for fraud detection.

Role and Responsibilities:

- Involved in analysis and architecture design.
- Integration of RSA Secure Id Auth engine with application.
- Porting of software token framework from c to java using JNI.
- Adding a support of SSO in application.
- Deployment of the application in Delhi (Bajaj capital's data center).
- Active passive clustering of application.

PREVIOUS WORK EXPERIENCE

- Ran a Security Portal/Forum desi-tek.com Feb 2005 to Jan 2008

Role and Responsibilities:

- Consulting the peerless software on development on this application.
- Analyzing user requirement and providing an efficient design.
- Creating Data access layer, service and business logic with UI Layer and component.
- Generated defect report and involved in defect tracking.
- Designing database and indexes for efficient performance.

Project Name	: desi-tek.org, desi-tek.com
Role	: Owner and Team Member
Technology	: php, dojo, MYSQL4-5, Java
Duration	: Feb 2006 to Jan 2008.

Description: Ran technology/ security, Video Tutorial portal for 2 years, we had 5000 members and we use to provide information related to vulnerability in different application, security stuff reverse engineering software, We use to make money by publishing Google ads on our web site, Our site was developed by our 10 team member they were from different part of India and a I.T student. Server was provided by one of our team member and our site seen a huge hits during 2..6-2007 but later I had to close the site because we were getting g huge hits but we had lack of fund to manage those hits. Site is now archived in <http://web.archive.org/web/20070510153750/http://www.desi-tek.com/>

Role and Responsibilities:

- Development of site
- Administrating the site and maintain server
- Maintaining the storage.
- Monitoring the Google adsense.
- Day to day activity of site.

PERSONAL INFORMATION

Date of Birth	: 02 Aug, 1986.
Marital Status	: Single.
Hobbies	: Reading Books & Music.
Languages Known	: English and Hindi

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