

Educational Qualification: B.Sc. from College of Science, MLS University,
Udaipur, India (Passed out 1997)

Experience Summary

Over 17 Years with the following companies:

1. State Street Corp., USA from Feb 2015 – till date
2. WIPRO Technologies, USA from July, 2013 – Jan, 2015
3. Prolifics, US from Feb 2012 – June, 2013
4. Infosys Technologies, USA from Nov 2010 – Feb 2012
5. WIPRO Technologies, Chennai from April 2005 - Nov 2010
6. Cognizant Technology Solutions, Chennai from July 2002 - April 2005
7. Infostarands india Pvt. Ltd., Bangalore from Jan 2001 - April 2002
8. Virtual Consulting Pvt. Ltd., Bangalore from Nov 1999 - Jan 2001
9. APEX Infotech, Chandigarh from June 1998 - Oct 1999

Technical Experience Summary Table

Certifications

1. Sun Certified Java Programmer
2. Sun Certified Web Component Developers
3. Sun Certified Business Component Developer
4. Sun Certified Enterprise Architect
5. IBM Certified Solution Developer - Websphere Message Broker V6.0.
6. IBM Certified Solution Developer - Websphere Message Broker V7.0.
7. IBM Certified Solution Designer -- WebSphere MQ V6.0
8. IBM WebSphere Datapower SOA Appliances Firmware V3.8.1, Solution Implementation
9. IBM Websphere Enterprise Service Bus V7.0, Integration Development
10. TOGAF 9.1 Certification
11. SOA Certified Professional from SOA School

Skills Profile

EAI Tool : Websphere Message Broker (WMB), Websphere Data Power,
Websphere Transformation Extender.

Distributed Technologies: EJB, RMI, JMS, XML, CORBA, Websphere MQ Series,
Java Web Services, Websphere Extreme Scale

Server Side Technologies: Servlets, JSP

Application Languages: Java

Key Projects

1. US Shared Web Services

The US web-services offer a variety of shared banking functionalities (60+ services) to retail, small-business and commercial customers through multiple channels and applications. The shared services strategy is to build channel/consumer agnostic web-services in a shared fashion. New capabilities/interfaces and new channels/consumers are constantly added/enhanced. The services are mature yet growing, and form the central nervous system within the USTS connecting channels and consumers with internal and external back-ends through a uniform layer of abstraction. The middleware components are comprises of MQ, Data Power, Application server and WESB.

Role	Integration Architect
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Java/ J2EE, Websphere DataPower XI50, Websphere MQ V7.5.
Contribution	<ul style="list-style-type: none">• Understanding Requirements• Project Design and coordination• Application Development and Unit Testing• Support for Integration Testing
Period	7 months
Team Size	16
Start Date	06/13/2014
End Date	01/26/2015

2. Transaction Management Hub

LBG has significant number of point to point solutions with its payment estate which makes mandatory change difficult, time consuming and costly, with many customized processes and interfaces. Besides, a lot of generic payment processing capabilities are multiplicities across these systems. The bank is not benefitting from the economies of scale associated with Transaction Management Hub that can reduce the impact of change on upstream processes and create a payments centric integration capability. The simplification strategy involves implementing a Payment Bus across application landscape to decouple many point to point processes that constrain future migration and growth.

Role	Architect
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Websphere Message Broker V7, Websphere MQ V7.5, Websphere Transformation Extender V8.3
Contribution	Involved in design reviews of the middleware Interfaces
Period	4 months

Team Size	40
Start Date	01/27/2014
End Date	04/26/2014

3. Balance and Transaction Repository

For online channels the transaction information was presented via the e-Finacle application. Online channels interface with multiple core systems to retrieve the balance and transaction data which impacts the performance and throughput. Core systems have storage constraints because of which customers can view the transaction history only up to 4 months.

BTR solution would provide customers high quality transaction reporting with better performance and throughput. BTR would also provide transaction history of up to 2 years to online channels..

Role	Architect
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Java/ J2EE, Websphere Extreme Scale 8.5
Contribution	<ul style="list-style-type: none">• Solutions designing of JEE components including Caching components, RESTful interactive services.• Creating contracts for the REST services.• POC for Websphere Extreme Scale.
Period	4 months
Team Size	16
Start Date	07/01/2013
End Date	10/04/2013

4. Mobile App Enablement

BCBST wanted to create a mobile user experience encompassing a member self-service application and a provider directory application. IBM Worklight was used to create mobile user interfaces as it supports deployments to various operating systems. The task was to create Websphere Message Broker Services and HTTP Worklight adapters to interact with them.

Role	Architect/ Senior Developer
Operating System(s)	Windows, IBM-AIX
Environment	Websphere Message Broker 8.1, IBM Worklight v5.0
Contribution	<ul style="list-style-type: none">• Solutions designing• Development of JSON based Web Service Services to interact with back end SOAP based Web services.• Development of Worklight HTTP Adapters.• Development of Ant Scripts for automated builds and deployment.• Training BCBST developers in Message Brokers and Worklight Adapters for support and future development.
Period	2 months
Team Size	8
Start Date	03/01/2013
End Date	05/04/2013

5. Maintenance connect Enhancements

Aqua America uses WebSphere Enterprise Service Bus (WESB) as enterprise wide middleware to connect to various systems like CIS & Maintenance connect to Service link. They needed additional fields to the messages coming from & to Maintenance connect (MC).	
Role	Senior Developer
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Websphere ESB V7.5, Java
Contribution	<ul style="list-style-type: none">• Reverse engineering the code to understand the modification to be done.• Message transformation mapping.• Coding of SAX Parser for transforming XML message.
Period	1 months
Team Size	2
Start Date	02/01/2013
End Date	03/04/2013

6. MyRAC to Siebel Integration

The project was to integrate the SSP applications at RAC. As part of this initiative there was a requirement for the MyRAC application to integrate with Siebel via the RAC Integration Hub.	
Role	Developer
Operating System(s)	IBM-AIX
Environment	Websphere Message Broker 8.1
Contribution	<ul style="list-style-type: none">• Development of WMB Web Services• Unit Testing.
Period	1 months
Team Size	4
Start Date	01/01/2013
End Date	02/01/2013

7. WMB Implementation

Berkley Corporation project was to upgrade, improve and expand their middleware infrastructure in order to enhance their B2B service offerings. They purchased WMB, WSRP, Websphere MQ as key component for building a SOA based ESB. To rapidly gain knowledge and expertise on the IBM products, Prolifics assisted them in this project.	
Role	Architect
Operating System(s)	IBM-AIX
Environment	Websphere Message Broker 8.1
Contribution	<ul style="list-style-type: none">• POC on Record and Replay feature of WMB for monitoring events.• Providing details on WMB Security.• Worked on Service Gateway Pattern and Message Aggregator Pattern.
Period	2 months
Team Size	6
Start Date	10/08/2012

End Date	12/07/2012
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8. WMB and DataPower Implementation

The TJX Companies were implementing a new e-Commerce solution based on the Oracle ATG commerce suite of products. In order to properly integrate it with the TJX enterprise solutions and databases, they needed to implement a ESB using WebSphere Message Broker and DataPower solutions. TJX were new to Message Broker capacity and DataPower. They had built the Message Broker infrastructure and wanted a review/validation of their efforts. They asked for guidance on how to implement WMB and DataPower using SOA and industry best practices.

Role	Architect
Operating System(s)	IBM-AIX
Environment	WebSphere Message Broker 8.1, DataPower XI-52
Contribution	<ul style="list-style-type: none">• Provided deployment topologies for DataPower.• Worked on various Security use cases and helped clients how they are to implemented using Message Broker and DataPower.• Installed and configured DataPower.• Created and documented POC on DataPower
Period	2 months
Team Size	4
Start Date	08/06/2012
End Date	10/05/2012

9. SAP Upgrade

Client was upgrading their source SAP system, leading to enhancement of WTX Type trees and WTX Maps for transformation to various categories of EDI messages. Also, the middleware was required to upgrade to generate EDI 812 messages from the source system feed.

Role	WTX Developer
Operating System(s)	IBM-AIX
Environment	WebSphere Transformation Extender V8.3
Contribution	<ul style="list-style-type: none">• Created WTX new Types Trees and updated WTX maps to address new type of feed from upgraded SAP.• Created Type trees and WTX maps for generating EDI 812 messages.
Period	3 months
Team Size	2
Start Date	03/26/2012
End Date	06/22/2012

10. MyRAC to Siebel Integration

The project was to integrate the SSP applications at RAC. As part of this initiative there was a requirement for the MyRAC application to integrate with Siebel via the RAC Integration Hub.	
Role	Developer
Operating System(s)	IBM-AIX
Environment	Websphere Message Broker 8.1
Contribution	<ul style="list-style-type: none"> • Development of WMB Web Services • Unit Testing.
Period	1 months
Team Size	4
Start Date	01/01/2013
End Date	02/01/2013

11. Group Administration Program

<p>Description: GA program in Metlife is:</p> <ul style="list-style-type: none"> * Implement a new, consolidated administrative platform for group products, supporting greater flexibility, faster speed-to-market and lower costs in delivering new products and plan changes. * Standardize processes across all products and markets, making it easier for customers and their employees to do business with us. * Understand the market trends and forces at work with employers, brokers and Third Party Administrators to ensure our capabilities and processes keep us competitive in the future. <p>GA will connect to existing underwriting and sales systems and provide valuable data for use by Billing, eBusiness, Claims and Finance. Associates will find it easier to service group customers with the consolidation of many IT systems into an integrated platform. Associates will also benefit from the simplification and standardization of processes related to group enrollment, eligibility and account servicing activities.</p>	
Role	Architect/ Developer
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Websphere Message Broker V7, Websphere DataPower XI50, Websphere MQ V7.
Contribution	1.) Identifying Entity Services for OIPA. 2.) POC in Websphere Message Broker, Data Power. 3.) Designing Solution Architecture
Period	4 months

Team Size	16
Start Date	10/10/2011
End Date	01/27/2012

12. SOA Transformation

There were over 600 services spread across Message Broker, Java and Mainframe IMS transactions. There services provide different functionalities for different consumers. Project was to define the re-engineering strategy for all the services and migrate it over to suitable ESB platform	
Role	Architect
Operating System(s)	UNIX
Environment	Java, Websphere Message Broker, Datapower XI50, Mainframe
Contribution	1.) Functional rationalization of services to reduce the number of services in POA. 2.) Designing and coding of services in Data Power. 3.) Re-engineering roadmap for new design of services in Data Power.
Period	5 months
Team Size	7
Start Date	05/01/2011
End Date	09/30/2011

13. Alliance Web Services

At All State Insurance, Alliance application is for Customer care and Insurance agent for quotes. The Alliance application has all the functionalities required to quote, bind and endorse different kind of insurance policies. All State wanted to reuse the functionalities of Alliance application for the “.Net” web application. This was done using by exposing business layer of Alliance through web services.	
Role	Architect/ Developer
Operating System(s)	IBM-AIX,Sun Solaris
Environment	JDK 1.4, J2EE, Web Services, Web sphere Application server V6.0
Contribution	1.) Requirement gathering 2.) Implementation of Web Service.
Period	5 months
Team Size	4
Start Date	11/22/2010
End Date	04/22/2011

14. See Beyond Decommission

State Street Corporation(SSC) took over Investor Bank and Trust (IBT). IBT used SeeBeyond as their Messaging Middleware. The project was to migrate 57 Business interfaces over to Websphere Message Broker. Existing Java code from SeeBeyond was reused to enable the migration.	
Role	Architect/ Developer
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Solaris, AIX, MQ Series, Websphere Message Broker V6.0, XML, Java
Contribution	1.) Designing Solution Architect. 2.) Interface Designing for Message Broker. 3.) Coding of Message flows/ Message Sets. 4.) Creating Unit Test plans and Integration Test Plans.
Period	7 months
Team Size	7

15. InvestLand(IVL) Migration

With the purchase of Investors Bank & Trust Company (IBT) and subsequent IBT integration effort, State Street Corporation (SSC) is presented with the opportunity to convert legacy IBT customer relationships to State Street systems. The customer relationship in-scope for the InvestLend (IVL) conversion is Confidential Client North America #1 (CCNA1). CCNA1, the largest institutional lender on the street, is largely serviced by the Directed Lending Operations group (DLO) in California for all of their lending activity. In order to support client's lending business, DLO has used IVL for trade capture, enrichment, processing and routing.	
Role	Tech Lead
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Solaris, AIX, MQ Series, Websphere Message Broker V6.0, XML, Java
Contribution	1.) Designing Solution Architect. 2.) Interface Designing for Message Broker. 3.) Coding fo message flows and Message Repositories (MRM). 4.) Creating Unit Test plans and Integration Test Plans.
Period	4
Team Size	7

16. SWIFT Hub

It is strategic solution gateway for State Street based on Service Oriented Architecture, for SWIFT traffic. SWIFT Hub intelligently routes internal SWIFT messages to the business units within State Street. In the preceding architecture, there were sub flows for SWIFT transformation and it's distribution. Any change in the SWIFT distribution functionality or addition of new SWIFT standards used to require heavy development activity. With the development of SWIFT Hub, all the transformation and its subsequent distribution to various applications are exposed as services. Any change in SWIFT distribution rule or any addition of new SWIFT standard doesn't need any change in the client specific message flows. Client sets the Meta data values in MQRFH and sends canonical XML to the SWIFT Hub. The Delegation service retrieves the values in metadata and drives the Transformation and distribution service.

Role	Tech Lead
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Solaris, AIX, MQ Series, Websphere Message Broker Version 5.0
Contribution	1.) Designing Solution Architect 2.) Creating Unit test plan and Integration Test Plan. 3.) Designing and coding of Message Broker interfaces.
Period	3 Months
Team Size	3

17. MIS Black Box

Black application reconciles the General Ledger data. Black Box requires the data in XML format to do the reconciliation. All Clients of State Street send their data in different formats. MIS also wanted to own the ability to change the transformation rule for the final XML output. MQSI solution to achieve the objective, make use of database to store the Meta data information. Once the data is transformed to Canonical XML, it makes use of XSL files to transform Canonical XML to the required Black Box XML format. XSL files are deployed on the web server which is owned by MIS. It gives them liberty to change the transformation rule.

Role	Tech Lead
Operating System(s)	IBM-AIX,Sun Solaris
Environment	Solaris, AIX, MQ Series, Websphere Message Broker
Contribution	1.) Database designing 2.) Designing Solution architect 3.) Message flow coding for Message Broker. 4.) Volume Testing, Unit testing and Integration testing
Start Date	01/08/2007
End Date	31/12/2007
Period	5

Team Size	3
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18. European Transfer Agency (ETA)

<p>State Street has built a trading platform for Transfer Agency business out of Ireland and Luxemburg. The platform provides efficient order management and comprehensive, real-time execution of trades for portfolio managers and traders as well as compliance and operations personnel. The trading platform built by AICC offers a comprehensive solution for the confirmation and processing of trade transactions. The Transfer agency platform consists of several interfaces: Dealing Orders: Allows TA to accept orders (15022 Swift MT502(message for Ordering to buy, sell or switch)) sent via Swift Network. Received orders are acknowledged with Swift MT509(message for trade status). Upon pricing and confirmation MT515 (message for trade confirmation) is sent to the clients. Batch Dealing Order: allows Transfer Agency business to accept orders from non-swift clients. This interface supports clients using proprietary formats like RBC Dexia, GFS, Merrill Lynch etc Payments: Provides straight through processing for Transfer Agency payments by sending 15022 Swift MT103 (message for money transfer) and MT202 (message for delivering money) messages. Statements: Monthly/yearly/on-demand holding and transaction statements are sent to the counter-parties via SWIFT network. Swift MT535 and MT536 (messages for Statement of transactions) that support ClearStream and FundSettle formats are generated. Settlements: Transfer agency Settlement instructions are transformed into MT540/541,MT542 /MT543 (messages for settlement instructions) messages and are loaded into State street accounting system. Global Reconciliation Platform: Provides solutions to carry out the reconciliation and life cycle management of all trades that are placed within the funds where State Street is the Transfer agent for and where settlement is expected in the various platforms available for example Clearstream and Euroclear.</p>	
Role	Project Engineer
Operating System(s)	IBM-AIX,Sun Solaris
Skills	Financial Consultancy
Environment	Solaris, AIX, MQ Series, Websphere Message Broker V5.0
Contribution	1.) Coding of Message flows and Message Repositories (MRM) for Message Broker. 2.) Unit Testing and Integration Testing.
Start Date	16/08/2005
End Date	31/07/2007
Period	23
Team Size	5
Other Information	I worked on Proof of Concepts for Message Broker to CORBA services communication, Sending Email through broker, creation of Custom plug-ins, XSLT transformation

	in Message Broker and aggregate calls to different services using functionalities provided by Message Broker.
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19. Mercury

Mercury is the development of an approach to the ongoing management of Operational Risk within UBS-IB Operations, with the potential to be expanded to other UBS-IB functions. The strategic objectives of the project are to implement a solution for Operational Risk enabling the UBS-IB Operations, and potentially other areas of the Investment Bank, to respond to client demands for comprehensive and timely risk reporting necessary to protect the reputation and franchise value of UBS-IB.	
Role	Module Leader
Operating System(s)	Unix, Windows 2000
Skills	Business Objects, Oracle 9i, JSP, Struts, Java, Ant, Eclipse, Rational Rose, UML, Banking & Finance
Environment	J2EE
Contribution	1.) Size effort and costing estimation of the work. 2.) Plan and schedule the activities and track the progress. 3.) Requirement gathering and creation of Design Document. 4.) Architecting solution for Mercury
Start Date	02/05/2005
End Date	07/07/2005
Period	2
Team Size	15

20. Advance Deal Manager

In the current system, there is substantial amount of work surrounding deal set up, maintenance and termination. Multiple system need to be entered data in for each new deal. As part of this massive data entry effort, numerous data values are entered multiple times to multiple systems. This redundant work increases the overall cost of business operations, but it also causes a significant amount of data inconsistencies across various systems. The advance deal manager is therefore to accomplish the following goals: □ ETo become a truly single point of data entry system that requires minimal human interactions for activities prior to and after deal closure. □ ETo automate the entire deal set up process by introducing robust and intelligent workflow.	
Role	Programmer
Operating System(s)	Windows 2000
Skills	Oracle 9i, JSP, Java Servlets, JavaScript, WebSphere, Netegrity, Java, OOAD, Banking & Finance

Environment	J2EE, Oracle, FileNet Workflow
Contribution	1.) Designing of Class Diagrams. 2.) Coding. 3.) Integration of module with the application. 4.) Preparing and executing Unit Test Cases.
Start Date	19/01/2005
End Date	08/04/2005
Period	2
Team Size	6

21. GAP Remediation

<p>The GAP remediation activity is for the implementation of security layer of EAST for client application and Siteminder layer for web application. Our project involved two client applications for EAST implementation and two web applications for Siteminder implementations. Three of the four applications used an application named <code>gEntitlements</code> for the authentication and authorization purpose. Relevant security product was implemented for authentication purpose only. The fourth application named Ampere Portal was a web application and hence involved the implementation of web application. Additional algorithm was also written to protect the data displayed by Cognos cubes.</p>	
Role	Project Leader
Operating System(s)	Sun Solaris, Windows-XP
Skills	COGNOS, Sybase, WebSphere Studio Application Developer, Apache webserver, JSP, Java Servlets, JavaScript, Tomcat Web Server, iPlanet Web Server, Enterprise Application Security, Netegrity, HTML, Java, Ant, CVS, Corba, Visi Broker, Banking & Finance
Environment	CORBA, Visibroker, JSP, Servlets, Swing, EAST (Enterprise Application Security Technology), Netegrity, Siteminder, HTML, Java Script, SYBASE
Contribution	1.) Leading the team from onsite. 2.) Involved in designing of the implementation. 3.) Coding. 4.) Installation of Siteminder web agent in development, UAT and production. 5.) Co-ordinating with the offshore team. 6.) Preparing and executing Integration and Unit Test Cases. 7.) Co-Ordinating with the EAST Security team for the creation of name space. 8.) Co-ordinating with the Siteminder "Center of Excellence" for the creation of Users and Policies in the Policy Server.
Start Date	08/04/2004
End Date	17/12/2004
Period	8

Team Size	4
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22. Online Review Management System

ORMS is aimed at automation on the review process that happens in the Software Development Life Cycle. Review automation focuses on streamlining the process involved and effective usage of the data on Defect Management and Metrics Collection. ORMS is aimed at Centralization of Review Data, Effective Management of Metrics Collection by minimizing the effort spent, Automatic Triggering of mails for Review and Review Follow-up thus easing the Review Management Process, Capture the Review and Rework Effort spent and lastly Generation of Reports for Defect Management and Prevention.	
Role	Analyst
Operating System(s)	Windows 2000
Skills	MS SQL Server, WebSphere Studio Application Developer, JSP, Java Servlets, WebSphere, JDBC, Mail Service, HTML, Java
Environment	JSP, Servlets, MS SQL Server
Contribution	1. Requirement Gathering. 2. Involved in designing the system and developing the application. 3. Responsible for the final implementation and initial maintenance of the application.
Start Date	01/11/2003
End Date	27/02/2004
Period	4
Team Size	1

23. Evolve

Evolve is a web application for the Bank of America (BOA) client of FDR. This is an existing web site, which offers the customers of BOA to login to the system to get the details regarding the credit card transactions. Value Load/Unload enables the administrator to login to the system to fund amounts to the selected credit card holders. The amount can either be loaded or unloaded. All the Load/Unload requests raised by the administrator will be uploaded to the oracle database. A java batch program will fetch all the funding requests from the oracle database and will create a NDM file containing the details of all requests for processing at the mainframe. The NDM file will be sent to BOA for approval. The output of BOA will be the same NDM file with the status containing either approved or rejected. Another batch program will take the NDM file from BOA as input and will create another file format called Batch 271. All the funding requests will be enclosed into the 271-batch file, which will be processed at the FDR side to update the accounts. During the creation of batch file ODS call will be made to the Sybase gateway to make a right time payment so that the cardholder can use the new

amount loaded by the funding request at that point itself, as the updation will happen as a batch in the FDR side on a daily basis. NDM and Batch-271 files will be having a layout as per the mainframe job.

Role	Programmer
Operating System(s)	Unix
Skills	Oracle 8i, WebSphere Studio Application Developer, JSP, Java Servlets, JavaScript, Legacy Web Integration(LWI), HTML, Java, CVS, Advantage Database Server, Banking & Finance
Environment	JSP, Servlet, Java, Oracle, JavaScript
Contribution	1. Developing the required java batch program for creating the NDM file. 2. Developing the required java batch program for deletion of records from database and writing them to a file. 3. Developing Java Server pages, Servlets for loading and unloading for amount to Government Pre Paid card.
Start Date	07/08/2003
End Date	03/10/2003
Period	2
Team Size	5

24. Rules Admin

Rules Application facilitates the Clients of FDR to create data driven business rules that perform complex business logics and provides a highly tuned processing environment. Transactions and cardholder accounts are processed using logical business statements. Rules Platform consists of Rules Processing engine running on mainframe and a set of distributed applications such as Rules GUI Application, Rules Upload, Simulator and Rules Admin Application. Rules Admin Application is a GUI tool used to create the metadata used for processing transactions and building rules. This is developed in java SWING that will have necessary screens to create and administer the transaction attributes such as elements and metadata. The architecture is segregated into various layers as the model is represented by a set of entity beans residing in Websphere Application server. Swing application can access the EJBs through web services generated using the EJBs. The salient features of the architecture include threaded messaging between the GUI client and Server that uses publish/Subscribe system, Webservices layer that decouples client and server, Highly modular approach for reusability, Usage of Common look and feel services, Security using Rapid Components and Database driven GUI Components.

Role	Programmer
Operating System(s)	Windows 2000
Skills	DB2,WebSphere Studio Application Developer ,Enterprise Java Beans(EJB),JSP,Java Servlets,Java,CVS,OOAD,Rational Rose,Banking & Finance
Environment	Swing, Java, J2EE (EJB, Servlet, JSP), Web Services , DB2 .
Contribution	1. Understanding the Architecture of the Application and came up with the solution based on the architecture. 2. Design of the business logic for the EJB and Swing. 3. Coding of EJB for module called Metadata. 4. Coding UI enhancements in Swing in generic fashion, so the same features can be plugged with other modules with least of efforts. 5. Generation of the required web services. 6. Mentoring of new project engineers in the team.
Start Date	01/01/2003
End Date	18/06/2003
Period	5
Team Size	8

25. Rules Upload

Rules Application is a GUI application developed in Swing to specify rules during the credit card processing. By using the existing Swing application a client of FDR can upload one rule at a time, which is time consuming. Rules Upload Application

is specifically designed to upload set of rules at a time to for processing. The client will specify all of the Rules that are to be uploaded in an xml file and then the file will upload to the FDR system from where the processing of the xml file starts. The xml file will have a corresponding xml schema. Breeze XML Binder framework which is a JAXB framework has been used to parse the xml file and populate the values from the xml file into corresponding java objects generated by the Breeze toolkit. After the java objects are populated the processing and the validation of the Rules is done at one layer to verify the Rules against the standard template. In case of any validation error the system has to terminate the processing. If the validation succeeds then the Rules will get inserted into the database by calling the corresponding EJB's, the existing layer that is responsible for database interaction. An intermediate layer has been introduced to hold the data from the classes generated by the Breeze toolkit to accommodate changing the XML parsing framework.

Role	Programmer
Operating System(s)	Windows 2000
Skills	DB2,WebSphere Studio Application Developer ,Enterprise Java Beans(EJB),JSP,Java Servlets,JavaScript,HTML,Java,Banking & Finance
Environment	Java, J2EE (EJB, XML, Servlet, JSP), DB2 .
Contribution	Responsible for coding and testing the following modules. 1.Policy 2.ActionSet 3.Sequence Assignment Responsible for the delivery of a module which was comprising of few JSPs and an EJB. for uploading the file and for showing status for all files uploaded in the past.
Start Date	08/07/2002
End Date	25/10/2002
Period	3
Team Size	8

26. Personal Finance Manager

This is a product for the Banking segment that enables the user in aggregating different accounts information from different financial institutions to a single context. This product, when installed in a bank's end, helps the end user who holds an account with the bank to manage his accounts that may be present across different banks. In addition to this there are various value added services being provided to the end user. These services includes Payment of Energy & Telephone bills, Investment on shares and bonds, loan facilities, seeking expert advice on fund management, schedule & calendar service, Budget Tracking, Alerts & Monitors, etc.

Role	Programmer
Operating System(s)	Sun Solaris

Skills	Oracle 8i,JMS,JNDI,Enterprise Java Beans(EJB),JSP,Java Servlets,JavaScript,Tomcat Web Server,HTML,Java,OOAD,Banking & Finance
Environment	Java, J2EE (EJB, JMS, XML), Servlets, Oracle 8i & Windows NT
Contribution	Responsible for designing, coding and integration of the following modules. 1. Login Module: Coded using Servlet and JSP. 2. Budget Tracking: Coded using EJB. 3. Personal Asset & ESOP: Design and coded using JSP, Servlets, XML and EJB. 4. Fund Transfer: Design and Coded using JSP. 5. Demand Draft: Coded using JSP. 6. Financial Profile: Coded using JSP. 7. Calendar: Design and coded using JSP, Servlet, XML and EJB. 8. Demat: Coded using Servlet. Also, created an Installer for complete Installation and Configuration of the product.
Start Date	15/01/2001
End Date	12/04/2002
Period	15
Team Size	21

27. Material Management

This project manages the business transactions dealing with the buying and selling of marbles. The cash inflows and expenses were constantly tracked and monitored. The payment schedules and notifications are generated on request and if requested, will be sent through e- mail. The various branches of the clients were connected together with the help of a dial-up network and the data was integrated at the end of every business day. Various reports, depicting the profit and loss, are generated at the branch and common levels.	
Role	Programmer
Operating System(s)	Windows 3.1/95/98
Skills	MS Access,Java,Manufacturing
Environment	Java, JDBC, AWT, Ms Access with Windows 98
Contribution	1.) Requirement Gathering. 2.) Designing of User Interface. 3.) Coding.
Start Date	01/07/2000
End Date	29/12/2000
Period	6
Team Size	5

28. HR Monitoring System

This project was taking care of automating the various functionalities of the Human Resources Manager. The functionalities include Employee Salary and allowances management, Scheduling and Planning of Interviews, Resume Repository, getting the resource requirements from the concerned project manager and releasing the requirements to consultants, news media etc., and analysing reports on exit interviews. The ESOP, a part of the stock management module was integrated into this HR system as well.

Role	Programmer
Operating System(s)	Windows NT
Skills	Oracle,PL/SQL,HR,Java,Others
Environment	Java, Swing, Oracle with Windows NT
Contribution	1.) Requirement Gathering 2.) Designing of User Interface. 3.) Coding 4.) Testing of few modules.
Start Date	07/02/2000
End Date	21/06/2000
Period	5
Team Size	6

29. v-interact.com

The site was aimed at providing High End support to the working professional and amateur students in the field of Chartered Accounting. The site was initially configured statically, with minimal facilities. After an excellent response from the users, the site was dramatically re-engineered to cater to dynamic needs. The features offered by this site include In-Depth information about chartered accounting, sending a query, Refer a friend, Online discussion forum, analysing performance of students based on sample tests and giving an effective feedback to the students thereby helping them to improve in the specific areas of accounting.

Role	Programmer
Operating System(s)	Windows 3.1/95/98
Skills	MS SQL Server,ASP,IIS,VBScripts,E-Learning,Mail Service,HTML,Education
Environment	Html, ASP, MS SQLServer 7.0, IIS
Contribution	1.) Conversion of all the static web pages to ASP pages, which was required for the implementation of Security. 2.) Coding. 3.) R & D on developing COM components required for the portal.
Start Date	08/11/1999
End Date	02/02/2000
Period	3
Team Size	6

30. myChandigarh.com

This is a portal, which provides in-depth content and services for Chandigarh and surrounding areas. The website answers questions on what to do and where to do. The portal provides users with more than 50 content areas including numerous features, reviews and a number of resources such as event finder, e-mail, news letters, maps, coupons and virtual tours of businesses. Full text searching was implemented for effective searching.

Role	Programmer
Operating System(s)	Windows NT
Skills	MS SQL Server,Adobe Photoshop,ASP,IIS,JavaScript,VBScripts,HTML
Environment	Html, ASP, MS SQLServer 7.0, IIS
Contribution	1.) Coding in JavaScript, ASP. 2.) Building images (buttons and other graphics) using Adobe Photoshope. 3.) Unit Testing.
Start Date	15/04/1999
End Date	08/10/1999
Period	6
Team Size	5

31. Process Automation

The project involved activities like billing, stock and inventory, payroll management and report generation. The billing was addressing the customer purchasing the goods. The payment mode for the billing may either be through Card or Cash. The stock and inventory took care of automatically generating the Purchase Order whenever the stock in hand reaches the reorder level. The payroll management addressed the pay packages and other employee allowances. Various reports including Total Business Profit, Total expenses incurred, Stock in hand, Customer and Supplier information, employee information etc., were generated either automatically at the end of the business day or at the user's request.

Role	Programmer
Operating System(s)	Windows 3.1/95/98
Skills	MS SQL Server,Visual Basic,Accounts,Retail
Environment	VB6.0, SQL-Server 7.0
Contribution	1.) Requirement Gathering. 2.) Designing of User Interface and subsequent desgning and coding. 3.) Packaging of Application using feautres of Visual Studio.
Start Date	23/11/1998
End Date	29/03/1999
Period	4 months
Team Size	5

32. Generation of Commercial Tax and Sales Tax form

This project was developed in order to generate various account templates. The account template includes Sales, Purchase, and Profit and loss respectively. These templates were automatically generated as per the user's availability of accounting information. In the absence of such accounting information the templates assists the user in furnishing the accounting information.

Role	Programmer
Operating System(s)	Windows 3.1/95/98
Skills	MS Access, Visual Basic, Tax Application
Environment	VB6.0, MS-Access
Contribution	1.) Requirement Gathering. 2.) User Interface Designing and subsequent designing and coding. 3.) Unit Testing.
Start Date	17/08/1998
End Date	22/10/1998
Period	2
Team Size	3