### Senthil

**Experience:**

Over 10+ years of experience in **experience in the Analysis, Design, Re-engineering, Development, Implementation of Java/JEE, BPM Application.** Expertise in areas of programming in Java, Spring, Struts, Servlets, EJB, JSP, JDBC, JavaScript, Share Point, OO Design & Development using UML, Rational Rose.

* Sound experience in J2EE, MVC architecture, spring, Struts and SOA.

Very good work experience on application development tools like Eclipse, IBM RAD & My Eclipse Blue

* Good experience in working with Agile using Rally.
* Good experience in working with Blade logic Server for deployment.
* Strong analytical, interpersonal, troubleshooting and communication skills.
* Expertise in design and development of Web Applications involving J2EE technologies such as Spring, JPA, Hibernate, Java, Servlet, JSP, AJAX, HTML, CSS, JavaScript, EJB (Session Beans, MDB), XML, JNDI, JDBC, Web Services.
* Extensive experience in design and development of multi-tier applications using Java, J2EE, Struts, Hibernate, XML, XSD, SOAP, WSDL, HTML, JavaScript, Tag Libs, AJAX, Junit.
* Worked on different Application and Web Servers like IBM Web Sphere, BEA Web Logic, Apache Tomcat and JBoss.
* Experience in client side Technologies such as HTML, DHTML, CSS and JavaScript.
* Strong experience of developing data models using Hibernate POJO's and configuring Hibernate persistence layer.
* Proficient in using RDBMS concepts with Oracle 9i/10g, DB2 and MySQL
* Very good working knowledge in creating and consuming web service (JAX-WS, Apace-CFX Spring Restful Service and JAX-RS (Restful)).
* Very good knowledge in SOA (Service Oriented Architecture) and implemented services and Integrated with SAP, MQ and IBM Mainframe applications.
* Excellent Technical, Communication and Interpersonal Skills with strong Customer Orientation and Client Interfacing Skills.
* BPM application developer with 6 years of experience using Savvion and IBM BPM.
* Designing End-to-end BPM solutions using IBM BPM v8.5 and Savvion 7.5/2013.
* Expertise in Savvion API, Servers and Portal.
* Very good experience in Process modeling using IBM BPM /Savvion Process Designer.
* Expertise in Design and Development of Toolkit, Services, Coaches and Coach Views.
* Good Expertise at developing Human, Rule, Integration and General service which can be used as Reusable Components in other Services and BPDs. Sound Knowledge in Inbound and Outbound Integration to make BPM integrate with External Systems.
* Good Knowledge on Enterprise Content Management Integration from BPM using Content Management Integration Services introduced in v8.5 and also Operational Decision Management Integration.
* Good at Developing Heritage and Next Generation (post v8.5)coaches and override the Default look and feel using custom css and coach transformation. Good knowledge on Dojo 1.7, Teamworks 7 JavaScript APIs, CSS,XSLT.
* Good knowledge in RabbitMQ and MongoDB (Did POC)

**Technical Exposure**

**Base Skills :** Spring, Hibernate, JPA, AJAX, Struts,EJB,Java, C,

C++, Servlets, JDBC, Swings, Spring Framework,

JQeury, JavaScript, UML

**Spring Exposure** : MVC, REST, Integration (Security, DAO, JDBC, Transaction, Scheduling, Test.

**Web Framework :** MVC using Struts JSF, Spring, Javax Validations, JQuery,

AngularJS.)

**Tools** **:** Eclipse,RAD, Spring IDE, Eclipse Blue and IntelliJ.

**Database : Oralce 11G,**Oracle 10G, DB2 and SQL Server

**Application/Web Server :** Websphere 8.5/8/7, Tomcat 7, JRun.

**Distributed Arch :**  EJB2.0/3.0, Servlets, JSP, Struts, Spring.

**Design Tools :** Rational Rose 2003, MicroSoft Visio 2003

## **Version Control Tool** : SVN,CVS and Jenkins

**Report Tools :** Crystal Reports, Jasper-IReports.

**BPM** : IBM BPM 8.5,Savvion 2013/764

**Testing Tools :** Junit,Mockito

**Build Tools :** Maven,Gradle and ANT

**Messaging :** JMS,RabbitMQ

**NOSQL :** MongoDB

**Organizational Trainings Attended:**

* MongoDB Java Developer – M101J
* IBM BPM
* Savvion

**Employment Summary:**

**Client: ADP INC, Roseland, NJ Mar 2013 – till date**

**Role: Senior Java Developer**

**Project Description:**

1. **Automated Zero down (AZD):** This application developed for replacing manual zero down process to automated. This application interact with external application like Planview and other ADP products (Autopay,ISI and Sharepoint). Used multiInstance loop to create dynamic instances.Design and developed workflow,UCA,Advanced Integrtion and General System Services.Built rich coaches using Brazo.Buit UCA componement and exposed UCA webservice to exteranl user to interact with BPM.
2. **Delegation for IBM BPM -** The application can provide ability to user can delegate all his (Proxy) task to delegator by Application. This is out of box functionality developed with IBMRESTAPI and Coach.
3. **KYC (Known Your Client**): Providing single BPM platform for Sales and Busineess user ,to automate client onbording process . It interact with mutitple external sources like JPMC,LexisNexis and Naic. Developed workflow,services and Coaches (View). Developed TVP (Trust Verification Portal) portal to user maintain Views using Spirng and angular JS
4. **Savvion Migration –** Worked on savvion migration from 2013 to 763 . BPM migration works which invloved analysis ,development and Testing.
5. **Delegation for Savvion -** Worked on delegation project for ACS partner. The application can provide ability to user can delegate task by PIID. This is out of box functionality developed with BizLogic3 and SprinAPI.
6. **PDA (Process Deployment Automation**) **–** This BPM application is to used automate build and deployment process .It is built on Savvion and Spring Rest Service.
7. **Global View** – Developed Spring Rest Application to interact to BPM application.
8. **ECM and SharePoint Collaboration Integration**– Developed java based sharepoint adapter to check-in,checkout, upload and download operation using Microsoft sharepoint webserivce,developed ECM Upload and Download services using IBM BPM for KYC project.

**Responsibilities:**

* Designed and Developed the Java application and Web based modules for the Shared Services Group.
* Designed and DevelopedREST and Web Services Components for various applications using Spring Framework.
* Design and Develop Web based modules using Spring Integration, AngularJS, and MongoDB.
* Work with multiple teams involving Dev and QA to track the project status.
* Participate in Scrum meetings and evaluate Stories for the Sprint work. Communicate and Coordinate with Scrum Master to project status intact.
* Implemented reusable web applications using JQuery,DOJO and AngularJS.
* Design and implemented Sharepoint Component using sharepoint web service.
* Developed database operations using JPA and Hibernate with Spring framework.
* Involved End to End deployment activities.
* Supports Java and BPM application.
* Developed DAO layer using JPA CriteriaBuilder, It is used many projects for database operations and reduced redundancy.
* Develpoed DTO to entity object mapper framework using Spring BeanUtils.
* Developed caching mechanism using E-cache.
* Built Rest Client using Restlet framework.
* Involved Maven build and deployment activities.
* Prepared release and deployment documents.
* Involued deployment activities using BladeLogic server. Creating packages and cofigurations for various environemnts.
* Partipacted in the release activities.
* Developed JUnit and MockitoTesting.
* SVN version control tool is used to maintain the developed code.
* Used Oracle 11G for database operations.
* Developed data conversion logic from Java object to XML and JSON using Spring annotation (JAXB and JSONTYPENAME)
* Built and deployed application into Webspere Application server 8.0& 8.5
* Participated code review and knowledge sharing session with team members.
* Designed and Developed business processes ,toolkit and coaches using IBM BPM 8.5

**Software Used:**,Java 1.6, Springs,IBM BPM 8.5,MonoDB,Jquery,Angular JS,DOJO,ExtJS,Oracle 11g,JSP, HTML, ,SVN ,Webspere 8.0 & 8.5, Bladelogic and Maven.

**Development Environment**: Windows

**Client: Plymouth Rock Assurance, Red bank, NJ Sep 2011 – Feb 2013**

**Role: Senior java Developer**

**Project:** FNOL (The First Notice of Loss)

**Project Description:**

The First Notice of Loss (FNOL) system is the primary application used by the First Report Unit(FRU) to establish new loss reports for all lines of business .Initial claims are created in FNOL and immediately imported into CWS and in the future Stream Claims. Redesigned from the ground-up with the business users in mind, the improved interface provides a rich experience without cluttering the desktop. With full integration into the eClaims suite FNOL becomes an important component in the user’s toobox.

**Responsibilities:**

* Analyzed the requirements document and prepared the high level and low level design documents.
* Designed and Developed the FNOL web application and web service application using Spring MVC Framework.
* Developed Claim, Coverage, Property and Loss and Damage web pages using JSP, HTML, AJAX, CSS and Jquery.
* Developed Service Layer application using Mule ESB.
* Developed/Consumed Restful Web services using Spring RESTFUL Framework.
* Developed database operations using MyBatis with Spring framework.
* Involved Maven build and deployment activities.
* Bulid front pages (JSP) using JQUERY UI and CSS
* Developed JqGrid adding/updating/deleting/reteriving data from service layer
* Developed JSON and AJAX framework to get data from Internal and thrid party web service.
* Consumed webservice using SPRING REST Template.
* Developed JUnit Testing.
* CVS version control tool is used to maintain the developed code.
* Used MS SQl Server 2005 for database operations.
* Developed data conversion logic from Java object to XML and JSON using Spring annotation (JAXB and JSONTYPENAME)
* Build and deployed application into JBOSS Application server 7.0
* Participated code review and knowledge sharing session with team members.

**Software Used:** Java 1.5, Mule,Spring 3.1.0,Spring Restful service,JBPM,Drools,Jquery1.7,MsSQL 2008,JBoss,JSP, HTML, AJAX, CSS and JqGrid.

Development Environment: Windows

**Client: ADP INC, Roseland, NJ Mar 2011 – August 2011**

**Role: Senior Savvion/Java Consultant**

**Project:**  HRII(HR Innovation Initiative )-Delete

**Project Description:**

In HRII there is a need to delete an employee/associate for various reasons mainlyThe associate name was entered in error.The associated never showed up for work.

With ADP system now integrated, many applications learn about the associate instantly. It is important to recognize that when an individual is deleted from SoR all sub-systems that know about that individual must be notified and delete the individual from their data stores as appropriate. Not all systems can delete the individual instantly. Some, such as Benefits, will have to tag the individual for deletion until carriers can be notified if necessary. Third party systems need to be notified that they can cut off access to their in-house systems.

HRII notifies Orchestration (SIA)Orchestration will inform all impacted applications to delete the user (SIA)

Orchestration informs isi to delete the user (CPR)If all impacted applications return success, then inform Vantage.

If anyone of the impacted applications fails to delete then create service ticket and then inform Vantage.

**Project : Data Extract to Excel**

This application will extract instances, tasks and dataslots information for given group and retrieve from database to excel files.

**Responsibilities:**

* Analyzed the requirements document and prepared the high level and low level design documents.
* Involved in preparing class diagrams and Sequence diagrams using **Rational Software Modeler** and **MicrosoftVisio**
* Involved Design and developed Business Process Model /Work flow using **Savvion Process Module.**
* Designed and Developed from the start UK Data Extract web application using Spring MVC Framework.
* Developed **Savvion Bizlogic and Bizsolo Adapters**.
* Developed BizSQL and Jasper Reports.
* Involved Savvion build and deployment activities.
* Developed/Consumed **JAX-WS Web services**.
* Implemented Design Patterns **Singleton, Factory, Adapter, Delegate, Value Object.**
* Developed an API to parse and write XML usingDOM API to exchange the data to InfoLink application using Web services (SOAP and Restful).
* Developed the web pages using **JSP, HTML, AJAX, and CSS.**
* Involved in Unit Testing and supporting.
* Clear Case version control tool is used to maintain the developed code.
* Used SOAP UI tool for testing Web services.

**Software Used:** Savvion 7.5,BPM Studio7.5.1 ,Java 1.5, J2EE,Spring,AJAX,JSP,JavaScript, RAD, Web Services(JAX-WS & JAX-RS), Websphere Application Server 6.1,iReports,Jasper,Oralce 10g.

Development Environment: AIX (UNIX)

**Client:Apria HealthCare, Lake Forest, CA May 2009 – Feb 2011**

**Role: Senior Developer/Lead**

**Project**: Apria BPM Workflow

**Project Description:**

Apria BPM is a company-wide business initiative focused on providing business processes and automated tools to help employees manage the work required to serve Apria customers in an easier, more accurate, and more timely fashion.

Apria BPM is an integrated workflow tool that streamlines business processes. The Apria BPM application consists of a 5 main business process and 5 sub-processes which are implemented as Savvion BizLogic flows. The separation of the overall process into sub-processes allows the application to support multiple variations of each sub-process with a minimal effect on the rest of the processes

* Works with ACIS to automate intake and qualification processes.
* Enables business process management assuring that the goals of the CCM are met.
* Improves the ability to process and manage RT/HME orders and workloads for the Customer Service Area.
* The main aim of the system was to help CRMs to take decisions. The process flow and automated decisions are done in Savvion which communicates to DB2, SAP, Email and other services.

**Responsibilities:**

* Analyzed the requirements document and prepared the high level and low level design documents
* Involved in preparing class diagrams and Sequence diagrams using **Rational Rose.**
* Implemented Business Logic using **JAVA, EJB.** Developed many reusable Business Services which is used across many use cases.
* Developed front end pages using **JSP, Servlets, AJAX.**
* Developed business rules using **Savvion BizRule event** basedtool.
* Implemented application components using **MVC FrameworkSpring** for some part of the application
* Written **SQL queries** and **Stored procedures** in **DB2** to fetch huge amount of data and perform complex calculations.
* Consumed **Web Services** from **Savvion** to connect to backend mainframe systems.
* Performed testing using **Junit** for developed components.
* Deployed application in **WebSphere 6.0.1.13** and configured data sources listener ports.
* Involved in building many **reusable components** using **JAVA** used across entire application like message handling, session handling, exception handling.
* Involved Design and developed Apria BPM work flow using **Savvion Process Module**.
* Developed **BizSQL and Jasper Reports.**
* Resolving all the technical issues in running a stable application.
* Work with technical architect to provide extensible solutions and best practices which needs to be followed
* Hands on development of complex framework code on which the framework can be built
* Periodic design and code review of team and across teams
* Involved Savvion build and deployment activities.
* Production support of Apria BPM workflow application deployed by Apria Healthcare customers.

**Software Used:** Savvion7.5, BPM Studio7.5.1, Java 1.5, J2EE, RAD, Web Services, IBM Content Manager, clear case,Spring 2.0,**Websphere Application Server** 6.1, iReports, Jasper.

**Development** Environment: AIX (UNIX)

**Project: Search Feed, Fort Myers, Florida (Jun 07 – May 09)**

**Role: Senior Software Engineer**

**Client – Miva Inc.**

**Description:**

MIVA Media is an online media and advertising Network Company that operates across United States, United Kingdom, France, Germany, Spain and Italy. MIVA provides targeted and measurable online advertising campaigns for its advertiser and agency clients, generating qualified consumer leads and sales. MIVA Media connects millions of buyers and sellers online by displaying relevant and timely text ads in response to consumer search or browsing on Internet. MIVA's Core Network offers distribution and delivers leads to advertisers across various sectors. MIVA offers a range of products and services through three divisions: MIVA Media, MIVA Direct and MIVA Small Business.

**Responsibilities:**

* Got the knowledge transfer (KT) of the application and during the KT actively contributed to the development of the “Search feed” module. Gave the KT to 2 other offshore resources who are part of Search feed.
* Coding, peer code review, and Unit testing during the development and also for Change Requests.
* Prepared the impact analysis, estimation, and unit test case documents for the Change Requests.
* Fixed the production tickets.
* Involved in production support activities and enhancements.
* Received client appreciation during the KT phase to gain the knowledge in a short time and also for the quality of the deliverables

**Software Used:** Java 1.5, J2EE, RAD, Web Services, WAS 6.1, SQL Server 2005

**Development** Environment: Window

**Project: WAMU Mutual Fund, Buena Park, California (Jan 07 – Jun 07)**

**Role: Senior Software Developer**

**Client – Amcor Sunclipse North America**

Project Overview: Wamu (WAMU Mutual Fund)

A transactional website of Washington Mutual, Inc. (WaMu) which enables its employees to purchase items from an online catalogue displayed at the site. Site functionalities include sales ordering, payment processing, shipping and tracking of open orders. Payment can be made through a credit card or charged to the employee’s cost center allocations. All application functionalities including security were developed based upon WaMu’s requirements. Market Now! Ii is accessible through WaMu’s intranet and the Internet.Landsberg.com is a B2B site. It is a one-stop source for packaging, janitorial and shipping supplies. It makes making products available to buyer based on their personal catalog of pricing. The catalogs are regional. The site sells merchandise tailored to the customer and shipping location.

Punch-out is an easy-to-implement protocol for interactive sessions managed across the Internet. Using real-time, synchronous cXML messages, Punch-out enables Communication between applications, providing seamless user interaction at remote sites.

**Responsibilities:**

* Prepared the unit test cases based on the use case documents.
* Developed components using Java, JSP, Servlet, XML, and java beans.
* Developed and maintained the B2B and B2C web application.
* Coding, peer code review, Unit, and Integration testing of the modules developed.
* Prepared the impact analysis, estimation documents for the bug fixes and the change requests made by the client during the maintenance phase.
* Fixed the production tickets.

**Software Used:** Eclipse 3.1, Windows 2000, IBM WebSphere Commerce Studio5.5 , BM WebSphere Commerce Server 5.5,IBM WebSphere Application Server 5.0.2, DB2 8.1, EJB,JSP, Java,CXM

**Development** Environment: UNIX

**Project: DISE, Limerick, Ireland (Oct 06 – Dec 06)**

**Role: Software Developer**

**Client –**: **Martin Dawes Systems**

**Description:**

DISE is a fully integrated Enterprise Management Solution (EMS) principally serving the converged telecommunications market. It enables client sites to manage all elements of the customer lifecycle ranging from initial contact, through to invoice generation and debt recovery - a true 'cradle to grave' approach, allowing for all business functions to be performed on one system rather than two or more..

It is an online Telephone Billing Project. The goal of MDS-LOH is to provide an Internet based channel, which is closely integrated with Martin Dawes Group System to support the B2B management between telecom customers & its users. This system will be flexible to add new features, to support the ever-changing needs and business goals of functional & volume expansion. This is a J2EE based solution providing the Billing related functionalities to the corporate and users.

Responsibilities: worked as a Senior Developer. The responsibilities include Design, development and UAT and Integrate testing.

Environment: H/w: Pentium-III O/s: Windows-2000 S/w: EJB, Swing, JDK1.4.2, Java, JSP, Servlet Database: AS/400 Tools:MS Office 2000, Perforce, WSAD (Web sphere Studio Application Developer),

**Project: Business Process Optimization Automation, Noida, India (Jan 06 – Sep 06)**

**Role: Software Developer**

**Client – Crylser Automobiles**

**Description:**

This is an EAI system that integrates a Database Application, SAP and workflow to automate the business process. The company is leading manufacturer of Luxury cars which they put on lease or rent to different Private or Corporate customers. The main aim of the system was to help CRMs to take decisions. The user interface was through Work Listportlet and action portlets. The process flow and automated decisions are done in WBI ICS which communicates to Oracle application, SAP, Email and other services through WBI Adapters.

Responsibilities: I have involved Designing the system that Integrates ICS, Workflow and Oracle database application. Designed and developed ICS collaborations, ASBOs, BOs, Maps required for business process. Configured and used SAP, JDBC, Workflow adapters. Designed and developed Work list and action portlets in JSF using RAD. Designed Workflow FDL for the part of the process needs user discretions. I have involved configuration of Workflow build time to communicate with ICS using UPES.

**Software Used:**WBI Interchange Server, WebSphere MQ, MQ Workflow, **Portal Server**, WBI Workflow Adapter, WBI JDBC Adapter, VIGNNETE ,WBI SAP Adapter, XML Adapter, RAD (Rational Application Developer), **Portlets,**BPM,LSQl and SQL.

**Development**Environment: UNIX

**Project: BCBSRI LRSP-Extension –Solomon, Noida, India (May 04 – Dec 05)**

**Role: Software Developer**

**Client - BCBSRI**

**Description**

BCBSRI LRSP-Extension project provide transformational services that will include deployment of DIAMOND® Enterprise technology for delivery of several business functions, including cash disbursements, claims, document services, information technology, mail support services and membership administration functions. The entire functionalities of the existing LRSP model will be replicated for the DIAMOND® Enterprise technology using J2EE framework.

Utilities Entity Interface will be used by the Conversion Process to synchronize the data between LRSP and DIAMOND. This interface will provide API’s for replicating the existing LRSP Data to the DIAMOND database.

Provider Conversion Application will provide the functionality to convert Provider-related data from ODS to DIAMOND. The Provider Conversion Application will pick data from ODS, populate data in the Provider Entity Object as per mapping provided in an XML format. Business rules are then applied on the Provider Object and passed on to the Provider Interface API, which will sync (insert/update) data into DIAMOND.

**Responsibilities**:

* Involved in development of various API for transformational services for data migration.

**Software Used:**Eclipse 3.1, Windows 2000, EJB2.0 Struts 1.1, JSP, HTML, Jboss 3.2.5, ORACLE 8i, VSS,TopLink,XDoclet

**Development**Environment: Windows

**Project: MTSS, India (Jan04 – Apr 04)**

**Role: Developer**

**Client – United Airlines**

**Description**

The Management Toolset System (MTSS) software was developed for United Airlines (UAL) with an objective to tracking of the changes and reworks of all applications in the Fleet Operations organization within United Airlines and allows customization of each organization reports and to make the system available on the web throughout United Airlines

**Responsibilities:**

* Involved in development of various EJB bean components for Business Services, and also involved in creating test plan, test result and testing of my applications.
* Involved in the development of Interface for 90Day Rollover, Mass Update and Project Stage Module uniquely.
* Involved in the Project Stage functionality and achieved the huge functionality in a single day with high code quality.
* Involved in the documentation of the module to generate a high quality DSTD for the presenting to the clients.

**Software Used:**EJB1.1, JSP, Java Servlet, XML, DHTML, Weblogic6.1, I-Planet 6.0, ORACLE 8i, MS Office 2000, MS Project 2000

**DevelopmentEnvironment:** Windows

### Education

* Bachelor of Computer Science Engineering May 2000
  + Bharathiyar University

**Professional Activities, Certifications and Training**

* Training on Savvion 7.5/6.5
* Training on IBM MQ Work Flow and WebSphere Portal
* Training on IBM File Net.
* Training on Hyperion Report