**Brahma Alavala Email:** [**abreddy20@gmail.com**](mailto:abreddy20@gmail.com)

**Mobile: 412–722-7708**

**Professional Summary:**

* 12 years of experience in Object-oriented analysis, **design, development and in Java/J2EE related technologies**
* Extensive experience with J2EE using most of the advanced features of Java including **WebSphere, JBoss,Weblogic,EJB,JavaScript,webservices,JSP,Struts,Servlets,Hibernate,Spring,Oracle,JQuery,SpringBatch,Shell Scripts,Jil Scripts,Autosys.**
* Extensive experience in Financial Domain, Telecom, e-Commerce applications and in Analysis, Design, Multi tier application design, database design and system development.
* Extensive experience using developing environment tools of Java including JBuilder, Eclipse, JBossDeveloperStudio
* Expertise in Relational Data Base Design and writing SQL and PL/SQL, stored procedures, packages and database triggers.
* Proficient in Oracle Tools and Utilities such as TOAD,SQL\*Navigator and Squirrel SQL Client, Teradata SQL Assistant

**Certifications:**

Obtained **Sun certified Programmer for the Java Platform, Standard Edition 5.0**

Obtained **Sun Certified web component Developer for the Java Platform, Enterprise Edition 5**

**Technical Skills**

Operating systems : Windows XP/2000/98/95, UNIX, Linux

Programming Languages : Java, C++, PL/SQL, Perl, CGI, and C

Web Application Languages : HTML, DHTML, JHTML, CSS, JavaScript, AJAX, JSON

XML Technologies : XML, XSLT, DOM, SAX, XQuery

Java/J2EE Technologies : JSP, JSTL, Servlets, Struts, EJB, JDBC, JNDI,

SOAP, Hibernate, Spring, Spring Batch, Web Services, Ant Build Tool,

Maven, JUnit, JQuery, Angular JS

RDBMS : Oracle, SQL Server

Version Control & Other : CVS, Ant, JUnit 3.8.1, Visio, ParaSoft JTest, Cruise Control,

Hudson, Maven, Rational Clear Case & Clear Quest, Subversion

Application Server : IBM Web Sphere Application Server, JBoss, BEA Web

-Logic Server

Development Tools : Rational Application Developer (RAD), WebSphere Studio-

- Application Developer (WSAD), Eclipse, JBUILDER 7.0.

Web Server : Apache Web Server, Jakarta -Tomcat.

**Educational Profile:**

**Bachelor of Engineering** from **Karnataka University**, Dharward

**Work Experience Summary:**

* Worked as a Senior Software Engineer at **Bank Of America** from June 2016 to till date
* Worked as a Senior Software Engineer at **Fidelity Investments** from March 2016 to June 2016
* Worked as a Senior Software Engineer at **Bank Of America** from August 2014 to Feb 2016
* Worked as a Senior Software Engineer at **Putnam Investments** from Oct 2012 to July 2014
* Worked as an Applications Developer at **SEI**, USA from Sept 2010 to Sept 2012
* Worked as an Applications Developer at **USDA**, USA from Oct 2009 to August 2010
* Worked as an **Applications Developer** at **Verizon Business** USA from August 2007 to Sept 2009
* Worked as a Software Engineer at **Manhattan Associates (India) Development Center**, **Bangalore** from June 2006 to April 2007
* Worked as a Software Engineer at **SEMANTICSPACE TECHNOLOGIES**, **Hyderabad** from March 2006 to June 2006

**Professional Experience:**

**Bank of America, Charlotte NC June 2016 to till date**

**Sr.Software Engineer**

**Project: DV (Default Validation)**

**Description:** A user interface system known as the Default Validation tool (DV tool) was developed to provide an efficient process for the Lines of Business Champions to systematically review all new defaults that pass the Value-Add-Process (VAP).  The VAP is a systematic process owned by the Basel Team that uses source system data and predefined rules to apply a default flag in ECRIS. The LOB Champions review the newly defaulted customers monthly to decision each default within the tool.  The tool allows users to either confirm true defaults or identify false defaults. Identification of false defaults is known as “default overrides”. Default overrides must be approved by the user’s band 4 Manager. Each LOB has designated champions who have access to the DV tool during a certain period each month. Champion’s managers will receive notification of any overrides which will require approval as well as results of the Champion’s actions each month. An override decision indicates an erroneously flagged default (false default) which, for example, may have occurred due to a renewal delay or operational processing error.  Conversely, confirmation of defaults is made when the financial distress of the obligor is deemed to have been a caused of the defaulted facility. Typically a Champion should be credit trained and have sufficient knowledge of the credit relationship to be able to make a decision about whether or not a default is valid. The DV tool allows champions to enter reason categories and comments for overrides. These comments are saved as support of the justification to override and used in post cycle review. Reporting is built into the DV tool at both the detail and summary level.

**Responsibilities:**

* Closely worked with LOB in gathering requirements and also breaking down the business requirements to technical design documents and implement the same for loading the historical defaults through spring batch process.
* Worked on building the batch process for extracting and loading the historical default details from GRA-C Teradata platform.
* Worked in database table design for historical defaults process.
* Worked on building the batch process to load the facility,cutomer and facility rules both daily and for monthly default information which received from upstream system PEAKS
* Worked on the extraction process for loading the facility, customer, utilization and facility rules daily/monthly data from upstream system HasS from Hadoop platform.
* Build the new Jenkins server and configured the projects to be build using Jenkins tool for continuous integration.
* As part of infrastructure upgrade worked on migrating the CHP to AHS Linux servers in DEV/SIT/UAT/PP/DR/PROD and deployed the web application project and batch application projects in new AHS batch Linux servers
* Worked on extracting the data and load the default details data from different external systems to DV application
* Worked as a Release Coordinator for different releases in Agile Methodology process
* Worked on developing web application allows LOB to either confirm True defaults or approve False defaults known as Default Overrides
* Worked on migrating the application from Weblogic 10.3.6 to Webloigc 12.2.1.
* Worked on migrating the application from JDK1.7 to JDK1.8
* Worked on building the batch process for sending the Finalized Defaults to GRA-C over the month end for quantification and modeling purposes
* Worked on building the batch process for loading the new lob information from IRR.
* Worked on migrating the AutoSys jobs from CHP to AHS Linux batch servers
* Worked on setting up the new maven spring batch projects.
* Worked with offshore team in different phases of the development cycle and production support related issues.
* Participated in Agile stand up meetings, Core team Portfolio meetings, Backlog grooming meetings, Story creation and assignment meetings for upcoming iterations, Demo meetings with business.

**Environment:**Java/J2EE,Eclipse,Weblogic,Spring,SpringBatch,JDBC,Unix,Shellscript,JilScript,Maven,JavaScript, PL/SQL, SVN, Webservices,Hibernate,Jenkins,Version One, JIRA, JQuery,Autosys

**Fidelity Investments, Westlake TX March 2016 to June 2016**

**Sr. Software Engineer**

**Project: Asset Management**

**Description:** Asset Management attribution calculates the active returns for Funds, Portfolio and its benchmark for the various time periods and generates the client reports. It breaks down the security return for all security types to local return, income return, currency return to come up with total return and roll up to the fund/benchmark to match up with official return.

**Responsibilities:**

* Developed tech design documentation,testplans for unit testing and integrated system testing
* Developed jil scripts for the autosys jobs which intern call the shell scripts for running the batch jobs
* Developed the presentation layer, application layer and data layer for generating the client reports
* Developed the turnover instructions for production release for the application
* Involved in production support for the Asset Management applications

**Environment:**Java/J2EE,JBossDeveloperStudio,Tomcat,JBoss,EJB,Spring,Struts,JDBC,Unix,Shellscript,JilScript, Maven, Java Scripts, PL/SQL, CVS,Hibernate, JMS,Perl,FAME and MDB.

**Bank of America, Charlotte NC August 2014 to Feb 2016**

**Sr.Software Engineer**

**Project : IRR (Improved Risk Rating)**

Enterprise Credit Risk is the application involves rating of the obligor (borrower) based on the various financial parameters like scorecard numbers, script numbers, background information, F/S, Finanancials and Non Finalncials.This application calculates both ORR (Obligor Risk Rating) and FRR (Facility Risk Rating) .This application provides an effective means of summarizing credit risk.The application is for all the risk rating of the obligor. This application uses a scorecard based approach in determining internal risk ratings. This approach was taken to give raters a tool that combines a set of objective characteristics with qualitative factors in a predetermined manner which improves consistency and transparency

A Scorecard approach was chosen as the target tool for the following reasons:

--Provides firm ratings

--Quantifies risk while providing objectivity, consistency and transparency

--Easy to calibrate to a DP Scale

BASEL II compliance requires banks to use a systematic and granular methodology to calculate internal risk ratings if banks desire to use the risk ratings in the regulatory capital allocation process. This methodology must include a statistically sound rating processes that includes accurate quantification of default probability and expected loss.

Based on the financial needs data will be moved to downstream and upstream applications. Backend component handles huge volume of data that are scheduled using Austosys. The project is being executed in Agile Methodologies

**Responsibilities:**

* Designed and developed new Batch Components(Raters) for different Scorecards in the risk rating process which calculates the ORR and FRR based on the financial parameters
* Closely worked with LOB in gathering requirements and also breaking down the business requirements to technical design documents and implement the same
* Migrated different applications in IRR System from Struts framework to Spring framework
* Configured the projects to be build using Jenkins tool
* Worked as a Release Coordinator for different releases in Agile Methodology process
* Developed webapp applications in IRR project using different technologies like Struts,Spring,Hibernate,SQL,EJB,

JSTL, JSP.

* Developed Junit classes using Mockito framework which mocks the JDBC calls
* Worked with offshore team in different phases of the development cycle and production support related issues

**Environment:** Java/J2EE,Eclipse,Weblogic,EJB,Spring,Struts,JDBC,Unix,Shellscript,JilScript,Maven,JavaScript, PL/SQL, SVN, JMS ,MDB.Teradata,Webservices,Hibernate,Jenkins,Version One, JIRA,Autosys

**Putnam Investments, Boston MA Oct 2012 to July 2014**

**Sr. Software Engineer**

**Project: Attribution**

**Description: Fixed Income Performance Attribution (FIPA):** Fixed Income performance attribution calculates the active return by FI factors for Putnam portfolio v/s its benchmark for the setup factors using contribution data. FI factors are hedge factors, term factors, risk factors and US sectors. The US sector factors are classified into class1 to class 6 buckets, aggregated hierarchy level is built based on the class1 to 6 hierarchies to generate MTD, QTD and YTD reports. Thesereports are used by Investment team, performance team and for client reporting.

**Contribution To Return (CTR):**

Contribution to return calculates the bottom up security return for all types of Putnam portfolio's and benchmarks to match the official return (top down return) from Putnam performance application (PPA). It breaks down the security return for all security types to local return, income return, currency return to come up with total return and roll up to the fund/benchmark to match up with official return. Any discrepancies between official return and bottom up return will come under NOA (Net other assets) which can be Cash, Trade Impact, MJE, FV Impact, borrowing cost etc.

**Responsibilities:**

* Developed tech design documentation,testplans for unit testing and integrated system testing
* Developed message driven beans for each queue which will process the requests for daily calc,daily reports, sync daily calc and sync daily reports
* Developed jil scripts for the autosys jobs which intern call the shell scripts for running the batch jobs
* Developed the presentation layer, application layer and data layer using the framework’s like JSP,Structs,Spring,EJB,JDBC,JMS,MDB,Java Script for handing the requests which are submitted through the Java main class
* Developed the turnover instructions for production release for the application
* Developed the PL/SQL procedures for performing the calc process and stores them into the table which intern Fireplace team will retrieve this data to show the reports for the accounts in their website
* Involved in production support for the **Attribution** applications
* Automated the build process for Attribution applications by using shell scripts which will build the war and ear for the applications from the SVN tags and prepared the turnover instructions for Attribution applications for production release
* Migrated the auto jobs and script files from messina4 production server to sterling1 production server
* Worked on browser compatibly issues for Attribution applications
* Worked with offshore team in different phases of the development cycle and production support related issues

**Environment:** Java/J2EE,JBossDeveloperStudio,Tomcat,JBoss,EJB,Spring,Struts,JDBC,Unix,Shell script, Jil Script, Maven, Ant, Java Scripts, PL/SQL, SVN, JMS and MDB.

**SEI Investments, OAKS PA Sept 2010 to Sept 2012**

**Sr. J2EE Developer**

**Project: SEI GWP (Global Wealth Platform)**

**Description:** SEI GWP (Global Wealth Platform) is an integrated and flexible platform which would provide a highly leveraged single platform for all SEI businesses and support straight through business processing. This platform would comprise of the SEI IIT (Independent Information Technology), GIPP (Global Investment Processing Platform) and all the External systems used.

**Responsibilities:**

* Involved in complete SDLC – Requirement Analysis, Development, System Integration Testing and Performance Testing.
* Participated in requirement gathering and convert the requirements in to tech design documents based on the use cases for the modules Tax Lot Separation and Currency and Sweep Balance Report
* Developed presentation Layer using JSP, Struts Controller Servet, Process Controller Action Class and Helper classes
* Developed Application Layer using Business Delegate, Session Façade EJB, Business Service Class and Data Service Façade (dm, dto, impl, filter classes)
* Involved in writing the stored procedures which was used for the modules Tax Lot Separation and Cash and Sweep Balance Report
* Developed Service Locator that is used for JNDI lookup.
* Worked with Java script, CSS and HTML to tweak the web pages to the desired style followed by the organization.
* Developed wrapper PL/SQL procedure. This procedure will check the data in the tables before persisting the separated values in the database
* Developed the Oracle types base on the PL/SQL procedure input and output parameters
* Developed the PL/SQL procedure to persist the separated values in to the tables. This PL/SQL procedure is called from the wrapper procedure.
* Involved in design and development of the presentation layer using HTML, JSP and CSS.
* Developed the joins, triggers and functions in the data layer.
* Involved in bugs recording, bug fixing, code review and other maintenance of the application.

**Environment:**Java/J2EE,XML,,Eclipse3.5,Struts,Spring,EJB,Ant,Starteam,Orace,weblogic8.3,weblogic11.3,Hudson, JavaScript, PL/SQL

**U.S Dept of Agriculture, Kansas City, MO Oct 2009 to Aug 2010**

**Sr. J2EE Developer**

**Project:** **Biomass Crop Assistance Program (BCAP)**

**Description:** United States Department of Agriculture (USDA) Biomass Crop Assistance Program (BCAP) provides financial assistance to producers or entities that deliver eligible biomass material to qualified biomass conversion facilities (QBCF) for use as heat, power, bio based products or bio fuels. Assistance will be for the Collection, Harvest, Storage and Transportation (CHST) costs associated with the delivery of eligible materials and provide the annual rental rates for Forms and Tracks.

BCAP is a web based intranet application available to USDA national, state and county users to administer both the Annual Rental Payment and CHST Payment portions of the BCAP Program. The high-level view of functionality includes the ability to process, record and approve offers, create conservation plans, manage contracts (contract maintenance) and submit payment information to the Conservation online payment system. It interacts with other USDA application like SCIMS, Payment system using SOAP Web services.

**Responsibilities:**

* Participated in requirement gathering and convert the requirements into technical specifications.
* Involved in application design, developing and testing the application. Also participate in database design.
* Test Driven Development (TDD) process is used in developing the application.
* Developed User interface using Struts MVC frame work. Implemented JSP’s using struts tag libraries and developed action classes.
* Override the struts request processor to centralize the user authentication and get the user profile object from LDAP.
* Used struts validation framework for form level validation.
* Implemented service layer using Spring IOC & AOP modules
* Developed the joins, triggers and functions in the data layer.
* Used spring transactions for transaction management at business layer.
* Developed persistence layer using Hibernate framework.
* Developed Hibernate configuration files and java persistence classes for Mapping DB.
* Written SQL queries and stored procedures in SQL Server 2005 for persistence.
* Used Eclipse 3.4.1 IDE and JBoss test environment to develop and debug the application.
* Involved in implementing build process using Maven and developing POM.xml files.
* Involved in Release Process of the Project using Clear Case and Maven
* Involved configuring web sphere application server to test the application in Production Env.
* Involved Building the application and created Magic tickets to push the application to Integration Env.
* Developed PL/SQL procedure to get the forms and Tracks based on the County values.
* Developed the Oracle types base on the PL/SQL procedure input and output parameters
* Involved in creating a Base Test Case class for configuring the common framework which can extend the JUnit test class
* Implemented unit test cases using JUnit framework.
* Involved in creating \_bld stream as the child stream to \_Int stream using clear Case project explorer.
* Involved in creating test scenarios and provide the support for integration testing.
* Implement the logging process at different levels of application using Log4j.
* Used Clear case source control to implement team development.

**Environment**: Java,XML,JBoss,Eclipse,Struts,Spring ,EJB, Web Services, Rational Clear Case, WebSphere 6.1,RSA 7.0,Maven 2.x,Hibernate,Hudson,subversion,JUnit, Log4j, SQL Server 2005,Unix,CSS,PL/SQL.

**VEC (Verizon Enterprise Center) Aug 2007 to Sept 2009**

**Client: Verizon Business.**

**Location: Boston USA**

**Role:** **Applications Developer \_ Software Systems Engineer**

**Description:** Verizon Enterprise Center, it is a web Portal helps you manage both your Verizon Business and Verizon Wireless Services Online. Based on their entitlement the users have can able to access the modules like Accounts & Maintance, Orders, Invoices, Repairs, Network Tools, Quick links, Utilities etc.

**Responsibilities:**

* Developed the presentation layer using JSP, Servlets and Struts for Accounts & Maintenance and commerce transaction.
* Configured WebSphere Application Server 6.x for database and other resource pooling.
* Administered the WebSphere Application Server instances in development and test environments for day to day operations during development cycles.
* Developed Session Beans, which were used to interface the Entity Beans.
* Developed Message Beans, which were used to communicate with the JMS to interact with queues.
* Created number of database Triggers according to business rules using PL/SQL.
* Developed the deployment scripts using WebSphere Application Server ANT tasks for deploying the applications from development to Production systems.
* Worked with the infrastructure teams and helped them to setup the WebSphere Application Server environments in integration and Production environments.
* Involved Enterprise Application Integration **(EAI)** of different applications like VBC, My Business, Vision and Wireless Integration
* The total application was developed in **J2EE** using **MVC** architecture.
* Oracle Database design and build PL/SQL Script for database translation
* Responsible for the designing, coding and developing the application.
* Involved in Documentation, and archiving of Accounts.
* Involved in System Requirements study and conceptual design
* Involved in developing **JUnit** Classes

**Environment:**WinXPserver,JAVA,EJB,AJAX,Servlets,Structs,JSP,JDBC,WebSphereApplicationServer ,Hibernate,ORACLE,Webservices,SOAP,WSDL,JMS,Unix,HTML,CSS,Javascript,Ant,Log4j,Spring,XML,UML,JNDI,SQL,JUnit,Eclipse,JQuery

**The Evant (Manhattan) Planning Engine Jun 2006 to Apr 2007**

**Client: Manhattan Associates.**

**Location: Bangalore India**

**Role : Java Developer**

**Description:** This is a J2EE project on retail domain, The Planning engine is the core module in this. Which takes some planning templates to change its behaviors to different sort of merchandise planning. The Engine builds a Cube structure to generate the details on the different dimensions, the Engine make use of many concepts of clustering and fencing to enhance its performance on the cube generation.

**Responsibilities:**

* Involved in designing, developing and configuring server side J2EE components like EJB, Hibernate, Java Beans, JSP, Servlets, JMS, JDBC, JNDI, JTS, Java Mail API, and XML
* Responsible for developing Entity Beans, which were used to perform data manipulation. Various finders were written using the JDBC-ODBC.
* Involved in Enterprise Application Inventory (EAI) of different systems like Inventory, Sales, Stock, Shipping into one application called Planning Engine.
* Developed Session Beans, which were used to interface the Entity Beans.
* Developed Message Beans, which were used to communicate with the JMS to interact with queues.
* Explored and configured the development JBoss environments, database integration etc.
* Developed ANT scripts to deploy the applications to JBoss application server in different environments.
* XQuery is used to Query the XML Data.
* Involved in implementing different J2EE design patterns like Session Facade, Message Facade, Service Locator, Value Object, Value Object Factory
* Responsible for configuring JBoss Application Server to access the Database by setting up Data source and Oracle Pool.
* Involved in Bug fixing.
* Involved in functionality & Performance testing
* Involved in developing JUnit Classes.

**Environment:**Win2000server,JAVA,EJB,Servlets,Structs,AJAX,JSP,JDBC,Spring,Hibernate,ORACLE,JBoss,Webservices,JMS,Unix,HTML,DHTML,JHTML,Unix,CSS,Spring,Log4j,Ant,Javascript,XML,UML,JNDI,SQL,JUnit,Eclipse

**Electronic Information Management System Mar 2006 to Jun 2006**

**Client: Semantic Space Technologies**

**Location: Hyderabad India.**

**Role : Java Developer**

**Description:** Electronic Information Management System is a state of the art healthcare management system built on n-tier technology targeting hospitals, clinics and primary healthcare centers. It provides the entire Healthcare Entrepreneur Resource Planning product functionality, right from a Patient Registration to Discharge, having the patient in the hospital as the focal point; the project excels as a Paperless and film less enterprise wide solution. This project has several modules, which are extremely doctor friendly, the core of which are Application Manager, System Manager, Master Patient index, Inpatient, Outpatient, Duplicate Registration Check, Accident & Emergency, Outpatient Appointment, Clinician Access, Order Entry and Result Reporting, Pharmacy and Stock. Each module is exhaustive, the main components being, masters, transactions, queries and Reports.

**Responsibilities:**

* Responsible for the designing, coding and developing the application.
* Developed the presentation layer using JSP and Servlets.
* The total application was developed in J2EE using **MVC** architecture.
* Incorporated Login authentication by using JSP and verifying it with database security tables.
* Oracle Database design and built PL/SQL script for database translation.
* Responsible for developing Entity Beans, which were used to perform data manipulation.
* Responsible for configuring WebLogic Application Server 7.0 to access the Database by setting up Data source and Oracle Pool.
* Created XML files and applied XSL to enable wireless users to access the system. JAXP API was used in processing XML files with DOM and SAX parsers.
* Extensive involvement in database design, development and coding of stored Procedures, SQL DDL & DML statements, functions and triggers.
* Involved in Documentation, and archiving of Accounts.
* Involved in System Requirements study and conceptual design

**Environment:** JDK1.5, EJB, Hibernate, Struts, XML, Servlets, HTML, JSP, WebLogic, UML, JMS, Oracle, Linux, Log4J, HTML, CSS, JavaScript, JUnit, Eclipse