**Bindu  
515-518-0914**

[bindu7825@gmail.com](mailto:bindu7825@gmail.com)

**Sr.Full Stack Java Developer**

**PROFESSIONAL SUMMARY:**

* **Over8 years** of experience in development including design and development of projects in the areas of **Java/J2EE Client** and **Server-side** enterprise applications.
* Very good understanding in all phases of **SDLC** likerequirements, multi-tier application development with **TDD**.
* Strong experience in design/development of web applications using **Java**,**J2EE**, **Servlets**, **JMS**, **MVC Framework**, **Webservices**, **XML**, **XSD,**and **JSON.**
* Extensive experience in designing professional **UI** web applications using front-end technologies like **HTML/HTML5, CSS/CSS3, JavaScript, XML, DHTML, XHTML, JQuery, AJAX, JSON, Angular JS,Node.js, Angular 2.0/4.0,**and **Bootstrap.**
* Implemented several **design patterns** such as **Business Delegate**, **Service Locator**, **Singleton**, **Object Factory**, **Front Controller, Factory Design pattern, Singleton and Proxy Design Pattern.**
* Experience in building web applications using **spring** framework features like **MVC**, **AOP**, **DAO** (Data Access Object), **SpringBoot**, **SpringSecurity**, **SpringJDBC** Templates, **SpringBatch**.
* Developing Applications using latest **Java**/**J2EE** technologies such as **Cassandra**, **Java 8**, **Junit**, **Cucumber**.
* Good Exposure to implementing Service Oriented Architecture (**SOA**) using Web Services including **SOAP, JAX-WS, JAX-RS, SOAP UI tool** and **RESTful.**
* Experienced in implementing modules like **Hibernate**, **JavaBeans**, **Servlets**, **Struts, and XML Mapping**.
* Expertise in installation, configuration, migration, trouble-shooting and maintenance of **Splunk**, passionate about machine data and operational Intelligence.
* Experience with **Hibernate Persistence Framework** and Design patterns like **Singleton, Factory, Session Facade, Business Delegate, Data Access Object, Data Transfer Object.**
* Expertise in working with **cloud services** like **AWS** and **NoSQL databases** like **Cassandra, MongoDB.**
* Experience with **spark** to handle streaming data and **Scala** for the batch processing and **spark** streaming data.
* Mocked, validated and documented Web API (**Swagger**/**SpringFox**/**Postman**/**Akana**).
* Hands on experience in amazon web services which includes **Cloud** Formation, Elastic Load Balancer, **ElasticBeanstalk**, **Cloud watch,IAM**, **ServerMigration**, **Route53**, **SQS**, **VPC**, **S3**, **DynamoDB**, **SNS**, **Glacier**, **RDS**, **EC2** Container Service, **Lambda**.
* Troubleshooted issues within **PCF** environments and involving Pivotal vendor as and when needed.
* Application portability and Application auto-scaling using **cloud foundary** installation & configuration of Apigee Edge on premise setup.
* Experience in Implementing **AWS** solutions using **EC2**, **S3**,**EBS**, **ElasticLoadBalancer**, **Autoscalinggroups**.
* Managed Linux and Windows virtual servers on AWS EC2 using **Ansible**. Configured and monitored distributed and multi-platform servers using **Ansible**.
* Experienced Pivotal **Gemfire** caching configuration and administration for better real-time performance.
* Experience with container-based deployments using **Docker**, worked with **Docker images, Docker Hub and Docker registries.**
* Extensive experience of working with **RDBMS** like **Oracle 11g/12c, MySQL, SQL Server** and developing Stored Procedures, Triggers, Views, Functions and **SQL Queries.**
* Executed a Continuous delivery pipeline with **Docker**, **Jenkins**,**Hudson**,**GitHub** and **AWSAMI's**, results in generating of new docker container whenever a new **GitHub** branch get started.
* To achieve continuous delivery on high scalable environment using**Docker** coupled with **Ngnix**.
* Experience in deploying and configuring multi-tier enterprise applications on multiple servers such as **Web logic Server, JBoss, WebSphere and Apache Tomcat.**
* Experience in **TDD**, using **JUnit framework** with **Mockito** and **Easy mock, Spring Junit Runner.**
* Experienced in using **Log4j** and good expertise in application build tools like **ANT, Gradle** and **Maven.**
* Experience in the use of Defect Tracking & Version Management Tools such as **SVN, CVS, GIT.**
* Experience with unit testing the applications using **Junit** and **JMeter**.
* Used various issue and bug tracking tools like **JIRA**, **TFS**.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Languages** | Java 1.6/7/8, C, C++, HTML 5, CSS 3, Android Studio,Angular 2.0/4.0,Node.Js, ReactJS, KnockoutJS, BackboneJS, ExtJS,SQL & PL/SQL, Scala, Python. |
| **Frameworks** | Spring 3.x/4.0, Struts, Hibernate, Log4J, JUnit, JQuery, MVC. |
| **Application Server** | IBM WebSphere, Apache Tomcat, Glass Fish, JBoss, WebLogic. |
| **Web services** | SOAP, WSDL(JAX-WS), UDDI,REST, JAX-B, JAX-RPC, JAX-WS, JAX-RS |
| **Design Patterns** | Singleton pattern, MVC pattern, Factory Pattern, Business Delegator Pattern, Controller Pattern, Template Pattern. |
| **Web-Application Tools** | XML, XSD, JMS, Servlets, JSTL, EL, Custom Tag Library, JSP, JSF, JNDI, JPA, JAXB. |
| **Database** | DB2, Oracle, SQL Server, MySQL, PostgreSQL, MongoDB. |
| **Scripting Language** | XML(SAX, DOM), XSL/XSLT, XPATH, Java Script, Ajax. |
| **Protocols** | TCP/IP, UDP, FTP, HTTP/HTTPS, RMI/IIOP, SOAP. |
| **Core Expertise** | J2EE design patterns, Core Java concepts – Collections, Java 1.5 features, Multi-threading, Exception handling, IO, Concurrency etc. |
| **Version control Tools** | CVS, SVN, GIT, Bit Bucket, IBM ClearCase, Sourcetree. |
| **Build Tools** | Ant, Maven, Gradle, Jenkins, Hudson. |
| **Other Tools** | Log4J, TOAD, SQL developer, HP Quality Center, JIRA, EMMA, Edit Plus. |
| **AWS** | EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, PCF. |
| **IDEs** | Spring Tool Suite, Eclipse IDE, NetBeans, RAD, WSAD, JBuilder, JDeveloper, Visual Studio, JUnit, Log4j. |
| **Testing Tools** | Junit, JMeter, Quality Center, SOAPUI. |
| **Methodologies** | Waterfall, Agile (Scrum), TDD. |
| **Operating Systems** | Windows, UNIX/Linux, Mac OS. |

**PROFESSIONAL EXPERIENCE:**

**Project:PNC Financial Services - Pittsburgh, PA May 2016 to till date**

**Role: Full Stack Java Developer**

**Project Description:**PNC Financial Services Group is a financial holding company that offers services like Insurance, investment and loans. The application offers various features like creating new accounts, managing existing accounts and personal loan applications.

**Responsibilities:**

* **Agile Methodologies (SCRUM)** are used to improve the control over the project and reduce the dependencies on individuals as the project has significant number of teams.
* Developed using new features of **Java 1.8annotations**, **Generics**, enhanced for loop and **Enums**.
* Designed the presentation layer **GUI** using **JavaScript, JSP, HTML, CSS, Angular 4, Customs tags and developed Client-Side** validations.
* Developed a Single Page Application which can switch to different components using **Angular4.0.**
* Added dynamic functionality to the application by implementing jQuery, Node.js. Modularized front-endCSS and JavaScript code with **SASS**. Built a real-time mouse/click user analytics web service with **Node.js.**
* Used **Swagger** Framework, implementing the **Restful** API and Swagger gives the rich **UI** to test API.
* Implemented **Spring MVC** architecture and increased modularity by allowing the separation of cross-cutting concerns using **springboot**.
* Involved in developing **ThreadSafe** blocks for multithread access and distributed transaction management.
* Worked with **Microservices** related frameworks **SpringRibbon**, **Eureka** for client-side load balancer andnetwork discovery. Also, Integrated with Spring Cloud components like **Eureka**,**Ribbon** and **Zuul** Proxy.
* Involved in writing Spring Configuration **XML**, file that contains declarations and business classes are wired-up to the frontend managed beans **using Spring IOC pattern.**
* Implemented **RESTful microservices** using the Domain given design to develop the largescale backend infrastructure leveraging **Springboot**, **SpringIntegration**, **Hibernate**, **SpringData**, **MVC**.
* Implemented **RESTmicroservices** using **springboot**, generated metrics with method level granularity and Persistence using **spring AOP and Spring Actuator**.
* Worked on **Camel**-**based** integration middle-ware solution for provisioning services by design and implementation of business logic and data processing routes using **Apache Camel**.
* Implemented pre-authentication and data base security using **Springsecurity** and securing application access and **SpringBatch** for scheduling and maintenance of batch jobs.
* Worked on writing **Scala** programs using **Spark**/Spark-SQL in performing aggregations.
* Used Micro service architecture, with Spring Boot based services interacting through a combination of **REST** and

**Apache Kafka**message brokers and worked with **KafkaCluster** using **Zookeeper**.

* Developed the **DAO layer** for the application using **spring, Hibernate** and developed various logics and reports using **HQL** and Hibernate criteria **as ORM** to map Java classes to data base tables.
* Application Deployment on **Pivotal Cloud Foundary** using **CF** push.
* Designed, built, and deployed a multitude application utilizing almost all of the **AWS** stack (Including **EC2**, **R53**, **S3**, **RDS**, **DynamoDB**, **SQS**, **IAM**, and **EMR**), focusing on high-availability, fault tolerance, and auto-scaling.
* Design roles and groups for users and resources using **AWS**Identity Access Management (**IAM**).
* Good knowledge in writing **ApacheSpark** application using **Python** and **Scala**.
* Used **ELK** for reporting, monitoring logging, debugging and error tracing. Worked on purging logs on**ElasticSearch** DB and **Kibana** UI. Also involved in trouble-shooting logs using **Log stash** and **Kibana**.
* Troubleshooting of different versions of **MongoDB** and cluster configurations to ensure high-availability in various crash scenarios and restoring roll backs to avoid loss of Data.
* Participated in unit testing, system testing and created various test scripts using **JUnit**.
* Used **Git** as Version Control System, an important component of Source Configuration Management.
* Implemented **Jenkins** as Continuous Integration Server, for configuring, designing, and administrating, integrating with other system tools.
* Developed all custom processes, workflows and schemes within **JIRA** to accommodate the organization’s needs.

**Environment: JDK1.8, Java Scripts, HTML, Angular 2.0/4.0,Knockout.js, Struts, Junit, Servlets, JDBC, JQUERY, JSON, AJAX, DOM, HQL,Bootstrap,JBoss, Spring Boot, cloud foundary,Scala, Spark, Selenium, JIRA,Apache Kafka, Restful services,Hibernate, DAO,JPA, Eclipse, EJB, log4j, NO/SQL, MongoDB, GIT, Maven, Jenkins, AWS.**

**Project:Liberty Mutual Life Insurance -IN March 2013 to April 2016**

**Role: Sr. Java Developer**

**Project Description:**The New Business Accounting solution automates the process of Reconciliation and Balancing process. The Accounting solution runs the complex accounting rules for generating Trail balance reports and accepts data feed from multiple vendor sources to automate the process of R&C.

**Responsibilities:**

* Designed and developed the application by following **Agile**-**Scrum** methodology, involved in daily stand up and spring planning sessions as a part of Agile Scrum.
* Used Java concepts like **ObjectOrientedProgramming**, **Exceptionhandling** and **DesignPatterns** while developing the application modules.
* Responsible for the analysis, documenting the requirements and architecting the application based on **J2EE**.
* Developed the web pages using **JQuery**, **HTML5**,**CSS3, Bootstrap, JavaScript,JSP** and implemented **AngularJS** directives, controllers, paginations and two-way bindings.
* Used **AngularJS** as frameworks to create single page applications (**SPA**) which can bind data to specific views and synchronize data with server using **Sass, Less, Bootstrap, AngularJS**.
* Expertise in **Angular 2.0** framework and its ability to create simple and scalable code for SPA.
* Extensive uses of **AngularJS** directives to get **JSON data using AJAX from RESTful API and modify DOM.**
* Develop various screens for the front end using **ReactJS** and used various predefined components from **NPM** (Node Package Manager) and React Redux library.
* Developed the presentation layer using Model View Architecture implemented by **SpringMVC**, which was initially done in the legacy system using **Struts**.
* Used the **Java Collections API** extensively in the application as security protection for **XML, SOAP**, **REST, NodeJS, ExpressJS** and **JSON** to integrate with designs in Web Deployment.
* Implemented Design patterns like **DAO, Singleton Pattern** and MVC design pattern of **Spring framework**.
* Building **RESTful** services using **Micro-services** architecture with tools such as Spring boot.
* Used **Hibernate**, object relational-mapping **(ORM)** solution, technique of mapping data representation from MVC model to Oracle Relational data model with **SQL**-based scheme.
* Backend processes were built in **Python**, utilized **RabbitMQ** as the Messaging middleware.
* Implemented **Webservice** client using **CXF** and Spring and implemented **EJBs,Sessionbeans** for business logic.
* Configured the adapter for Event processing that can be synchronous or asynchronous, and listeners within the adapter to provide support for **SOAP** over **HTTP**, **HTTPS**, and **JMS** transports.
* Designed and developed the **UI**screens, data base design changes and changes to user access modules.
* UsedEclipse**-Spring Tool Suite (STS)** for **Microservices** with Spring Boot & deployed into **AWS lambda.**
* Leveraged **AWS cloud services** such as **EC2**; auto-scaling; and **VPC** (**Virtual Private Cloud**) to build secure, highly scalable and flexible systems.
* **AWS** is used to coordinate and manage the delivery of messages to the subscribers. Client-side validations and server-side validations are done according to the business needs.
* Involved in writing **Oracle PL/SQL Stored procedures, Triggers** and **views**.
* Developed Applications using Rule Engines, **Drools** and **ILOG** to validate the business User Roles.
* Wrote **JUNIT** test cases for web serversand done Unit testing execution with **JASMINE** and **KARMA.**
* Involved in test automation like **QTP**, **SeleniumWebDriver**, **Protractor**.
* Created continuous integration builds using**Jenkins** and deployed on **WebSphere** app server.
* Used **Maven** tool to configure and build the application project and integrated with **Jenkins**.
* Apache **Mesos** and **Kubernetes** were used as the best ecosystem to deploy and manage **Micro**-**services**.
* Involved in **CI/CD** process using **GIT,** **Jenkins job creation, Maven build, Create Docker image** and **deployment in AWS** environment.
* Involved with Sprint Planning, Sprint grooming, Allocation of User Stories using **Jira.**
* Used **Log4J API** for logging and debugging.
* Provided good coordination with **QA** resources for the Functional testing, integration testing and End to End testing.

**Environment:Java 8, Spring MVC, JavaScript, JQuery, JSON, Spring DAO, Spring Boot, Spring Batch,Spring Security, Spring Integration,Linux, Spring-Hibernate integration framework, JSP, Oracle, PL/SQL, XML, Spring web flow, Junit,GIT, Maven, Jenkins, AWS (EC2, VPC), REST web service, HTML, CSS, SASS, AJAX, Jira,Angular 2.0**, **Angular JS.**

**Project:Walmart - Bentonville, AR May 2012 to February 2013**

**Role: Java Developer**

**Project Description:**This project is to provide Single Sign on feature for a third-party application which is outside Walmart network, which is used by the active directory users involving Ping Federate Server in authentication process to provide a token which includes password for authenticating federation service and also several attributes such as token life time where can find these attributes in the exported agent configuration file from the federation setup

**Responsibilities:**

* Designed and developed the application using **AGILE-SCRUM** methodology.
* Developed user interface using **JSP** with **JavaBeans, JSTL and Custom Tag Libraries, JavaScript, CSS, JQuery, Node.js, HTML, SASS and Ajax t**o speed the application.
* Incorporating **SpringIOC**&**DAO** framework for **DependencyInjection** with **MVC** design pattern for **Auto Job scheduling** module.
* Used **AJAX** to request **JSON** data through **REST APIs** to acquire data from server and display in sorted order.
* Involved in **J2EE** Design Patterns such as **Data Transfer Object (****DTO), DAO**, Value Object and Template.
* Focused on the spring components such as **Dispatcher Servlets**, **Controllers**, Model and View Objects.
* Implemented **Spring Bean Factory** to create proxy object using **AOP** framework.
* Involved in implementation of enterprise integration with Web Services and Legacy Systems using **SOAP** and **REST** (Using Axis and Jersey frameworks).
* Involved in creating **Restful** web services using **JAX**-**RS** and **JERSY** tool.
* Developed application using **JMS** for sending and receiving Point-to-Point **JMS** Queue messages.
* Developed a multi-user web application using **JSP**, **Servlet**, **JDBC**, **Spring** and **Hibernate** framework to provide needed functionality and assisted database developers using **PL/SQL** for managing data with the tables in **Oracle**.
* Implemented **Maven** Script to create **JAR**, **WAR**, **EAR**& dependency **JARS** and deploy the entire project onto the **WebLogic** Application Server.
* Implemented **XSD**, **Schema**, **DTD**, **XML** documents for web services and tested services using **SOAP**.
* Experience in compiling and tuning the **Linux** on database servers and **JPA** annotations to interact with database.
* Used **CQL** (Cassandra Query Language) to read from and write data into **Cassandra** database.
* Database development required creation of new tables, **SQL** stored procedures, functions, views, indexes and constraints, triggers and required **SQL** tuning to reduce the response time in the application.
* Implemented **NoSQL** persistence pattern for some data within app to increase performance by indexing.
* Used **Maven** for generating system builds and **Jenkins** for continuous integration.
* Worked on **Drools** Rules Engine and Expectation Rule Engine for writing Business Rule Validation
* Wrote unit-testing codes using **JUnit**, resolved bugs and other defects using **Firebug** and wrote **JUNIT** Test cases for **Spring Controllers** and Web Service Clients in Service Layer using **Junit**.
* Used **Log 4j** for debugging, testing and maintaining the system state.
* Using **JIRA** to manage the issues/project work flow.
* Participated in **integrationtesting**, **bugsfixing**, handling change requests and code reviews.
* Implemented Continuous Integration of automation framework using tools like **Jenkins**, **Hudson**.

**Environment: Spring, Hibernate, Web services, JAX-RS, JUNIT, SOAP, UI, SQL, JSP, JDBC, JSON, JavaScript, JQuery, AJAX, Html, CSS, Angular JS, PL/SQL, Jenkins, Maven, log4j, Jenkins, JIRA, Spring IOC, DTO, JMS, APACHE AXIS, Apache CXF, GIT, UNIX, AGILE-SCRUM, Oracle, Tomcat, Drools.**

**Project:Aetna - Hartford, CT November 2010 to May 2012**

**Role: Java Developer**

**Project Description:**Aetna, Inc is an American managed health care company, which sells traditional and care insurance plans and related services, such as medical, pharmaceutical, dental, behavioural health, long-term care, and disability plans. Aetna is committed to providing individuals, employers, health care professionals, producers and others with innovative benefits, products and services.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Worked one-on-one with client to develop layout, color scheme and layout and implemented it into a final interface design with the **HTML5/CSS3**, **Bootstrap** and **JavaScript**.
* Designed and developed the UI using **JSP, HTML, HTML5, CSS** and **JavaScript, AJAX, JSON**.
* Worked on various use cases in development using Struts and testing the functionalities.
* Involved in preparing the High Level and Detail level design of the system using **J2EE.**
* Involved in the development of model, library, struts and form classes (**MVC**).
* Worked on core java, using file operations to read system file (downloads) and to present on **JSP**.
* Developed **SOAP based XML web services.**
* Used different patterns like **SOA**, **MVC** pattern, **DAO** pattern, and **singleton**.
* Developed Stored Procedures, triggered stored procedures using **Hibernate** in **secondary project**, involved in developing Programmatic transactions using **Hibernate**.
* Extensively worked on uploading files into **CLOB** and **BLOB’s** of Oracle Data base.
* Migrated from **Ant to Maven via Ivy** for dependency resolution.
* Worked with high volume and complex **PL/SQLstored procedures** and **packages** using **TOAD**.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Experience in Updating, Modifying queries in **Oracle 10g**.
* Used **Rational Clear Case** for version control and **JUnit** for unit testing.
* Used quartz scheduler to process or trigger the applications on a daily basis.
* Configured **JBoss**application server and deployed the web components.
* Developed applications using Rule Engines,**JBossDrools4**.**x**, **Workflows**, Human tasks implement Business rules validations and provided **Drools** Dashboard for Business users.
* Provided troubleshooting and error handling support in multiple projects

**Environment:Struts, Hibernate, Spring, EJB, JSP, Servlets, JMS, XML, SOAP, WSDL, JDBC, JavaScript, UML, HTML, JNDI, CVS, Log4J, RAD 7, Windows XP,Linux, Web Sphere App server, WebLogic, Rational Rose, Oracle.**

**Project:Meridian Soft - Hyderabad, ANDHRA PRADESH, IN June 2009 to October 2010**

**Role: Jr Developer**

**Project Description:** This Application allows the customers to post their orders through Web. Various operations relating to their orders such as expediting, canceling, splitting the order lines can be done through the web itself Status of their order is also displayed upon request.

**Responsibilities:**

* Participated in **system design, planning, estimation** and **implementation.**
* Involved in developing **Use case diagrams**, **Class diagrams**, **Sequence diagrams** and **process flow diagrams** for the modules using **UML and Rational Rose**.
* Developed the presentation layer using **JSP,AJAX**, **HTML**, **CSS**and client validations using JavaScript.
* Developed and implemented the **MVC** Architectural Pattern using **Spring Framework**.
* Effective usage of J2EE design patterns namely**Session Facade, Factory Method, Command** and **Singleton** to develop various base framework components in the application.
* Modified Account View functionality to enable display of blocked accounts details that have tags. This involved modifying beans, **JSP** changes and middle tier enhancements.
* Developed various **EJB**s (session and entity beans) for handling business logic.
* Code implementation using java &**groovy**, re-factoring & peer review
* Developed **Session Beans** and **DAO** classes for Accounts and other Modules.
* Extensively used **Spring JDBC** in data access layer to access and update information in the database.
* Consumed Web Services using **WSDL** and **UDDI** from third party for authorizing payments to/from customers.
* Used **JAXB** API to bind XML Schema to java classes.
* Involved in Units integration using **JUnit**, bug fixing, and User acceptance testing with test cases.
* Used **CVS** for version control and **Maven** as a build tool.
* Used **Log4j** for logging errors, messages and performance logs.
* Used **JBoss** Application Server to deploy application.

**Environment: Java 1.4, JSP, Servlets, Struts frame work, Tag libraries, Java Script, CSS, AJAX, JDBC, JNDI, Oracle 8i, Java beans, Struts Validation framework, Windows/UNIX, Ant, JUNIT, SVN, QC, Edit Plus, Web Logic application server, SQL Developer.**