Lalitha.Pinnaka

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**Sr. JAVA FULL STACK DEVELOPER**

PROFESSIONAL SUMMARY:

* **Over 8 years** experience in analysis, design, development and implementation of information systems.
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TDD), Incremental** and **Iteration methodology, Pair Programming, Agile DevelopmentTesting** using **Software Development Life Cycle**.
* Automated highly transactional web application using **Selenium Web Driver**. Implemented Page Objects, Data, Keyword Driven, automation frameworks using Selenium **WebDriver, JAVA, JUnit**
* Experience with build tools like **CICD**-**ANT**, **Maven** and logging tools like **Log4J.**
* Used Version Control lik**e CVS, SVN (Subversion)** and **Clear Case**.
* Experience in **Jenkins** integration service for software development.
* Strong experience in test driven development, particularly using **JUnit** framework.
* Expertise in Selenium automation using Selenium **WebDriver, Selenium Grid, JUnit and Maven.**
* Excellent written and verbal communication skills, Analytical, Problem Solving skills, strict attention to detail and ability to work independently, lead/work within a team environment.
* Experience in building applications using various technologies like **Spring, Hibernate, EJB, JPA.**
* Strong experience in Spring modules -**Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul.**
* Expert level skills on **JavaScript**, **JSON, HTML, DHTML, CSS, Tiles, Tag Libraries** and UI frameworks - **Twitter Bootstrap, Materialize CSS**.
* Experience in UI frameworks **JavaScript, Nodejs, Reactjs, Angularjs** and experience in Client-side validations.
* Strong understanding of **Microservice patterns** –**Hystrix, Aggregator, Proxy chaining.**
* Experience with **Spring JDBC Templates, JMS Templates, Spring EAI, Spring Rest Templates.**
* Experience in implementing SOA and Web Services using **SOAP, RESTFUL, JAX-WS, AXIS.**
* Implemented various Design patterns (**Session Façade**, **Value Object**, **DAO**, **DTO**, **Command**, **Singleton**, **Factory**, **Adapter, MVC, Service Locator** etc.) using J2EE technologies.
* f**VPC, Cloud Watch, Cloud Front, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS.**
* Experience with **Docker** containers, **AMI’s** to create **Docker images/ containers**.
* Good experience with messaging systems like **Kafka event sourcing.**
* Experience in creating rules using Business Rules Engines: **Drools, ILOG.**
* Experience with **IBMWebSphere8.x/7.x, Oracle**/**BEAWebLogic 10.x/9.x**, **JBoss** and **Tomcat** 7.x.
* Experience with **Imaging/Document Storage tool: Case 360 and IBM DB2 Content Manager.**
* Experience in database modelling, design and development of **PL/SQL stored procedures**, **packages** in relational databases: **Oracle 10g/11g**, **IBM DB2**, **MySQL, SQL Server 2011**.
* Knowledge on **NOSQL** database **MongoDB**, **Cassandra** as part of Open Source participation.

**TECHNICAL SKILLS:**

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| **Languages** | Java 1.8, J2EE, Drools, SQL, PL/SQL, Scala |
| **Web Technologies** | SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlets API 3.0 |
| **Frameworks** | Spring 4.3, Hibernate 4.3, Angular JS 1.0/1.5/2.0/4.0, Spring Security 3.2, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Spring Eureka, Spring AOP. |
| **Design Patterns** | Singleton, DTO Pattern, DAO Pattern, Delegate Pattern, Service Facade, Factory Pattern, Front Controller Pattern, MVC Pattern. |
| **Application/Web servers** | Apache Tomcat 8, IBM WebSphere 8.x/9.x, JBOSS |
| **Relational Databases** | Oracle 10g/11g/12c, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1, |
| **NoSQL Databases** | MongoDB, Cassandra, Cockroach DB |
| **Internet Technologies** | HTML 5, JavaScript 1.8, XML 2.0, JSON, CSS 3 and CSS 4, Angular 1.6.6, Angular 2.0, Angular 4.0, Node JS 6.0. |
| **Cloud Environments** | Azure, AWS, Netflix Eureka, Mesos, Kubernetes, Docker. |
| **IDE** | Eclipse, IntelliJ IDEA 2017.1, Spring Tool Suite (STS) 3.8.3, WebStorm. |
| **Messaging** | JMS MQ, IBM MQ, Rabbit MQ, IBM MQ 8.0, Apache Kafka |
| **Testing Tools** | JUNIT4.12, JMeter, Mockito, TestNG, Jasmine, Karma |
| **Methodologies** | Agile, Waterfall, TDD (Test-Driven-Development), Scrum, Kanban |
| **Build Tools** | Ant 1.10, Maven 3.3.9, Gradle 3.4.1, Jenkins |
| **Version and Source Control** | GIT, Bit Bucket, CVS, SVN, GITHUB 2.12.0 |
| **XML Technologies** | XML, XSLT, TCP/IP, LAN, WAN |
| **Web Services** | SOAP, WSDL, JAX -WS, JAX -RPC, REST, XML, XSD |

**PROFESSIONAL EXPERIENCE:**

**Client: Kroger - Cincinnati, OH Apr-2017 to Till Date**

**Role: Senior Java/Full stack developer**

**Description:**

Kroger Digital is a highly innovative team situated in Kroger's own newly remodeled Digital Customer Innovation Center. Kroger delivers Mobile, e-commerce and customer facing solutions that provide Kroger customers with world-class digital and mobile shopping experiences.

**Responsibilities:**

Following **Agile (Scrum)** Methodology for developing application development.

* Developed **UI** using **HTML5, CSS3, JavaScript, Bootstrap, jQuery, TypeScript, Angular4** and **NodeJS** for interactive cross browser functionality and complex user interface.
* Created **SPA** (Single Page Application) using **Angular4**, using **PrimeNG** features to provide rich user interface.
* Extensively used/modified **JQUERY** to perform **AJAX** calls for creating interactive web pages on **JSON** response.
* Developed modules using **Core Java APIs, Collections**, **Java 1.8(Streams), Jordan API(Dates), Multi-threading**, **Exception Handling, Generics, Enums, Java I/O** and object-oriented **designs patterns**.
* Used **Lambda Expressions** for communicating between business layer and database and Coded in **java 1.8**
* **Java 1.8 Stream API** for Bulk Data Operations on Collections using both **Streams** and **Parallel Streams**.
* Developed business components by using **Spring Boot, Spring IOC, Spring AOP, Spring Annotations, Spring Cloud**)&Persistence layer by using **Hibernate/JPA** along with Web Services (**RESTful)**.
* Implemented customized authentication in **Spring Security** to verify user-role and secure the user pages.
* Created architecture towards a **Microservices** approach using **RESTful** Web-Services by using **Spring Boot**.
* Used **JAX-RS** for creating **Restful** web service and implemented authentication by using **OAuth2** Security Framework.
* Implementation of **Hystrix circuit** breaker to avoid loss of messages during handling of messages at consumer level.
* Implementation of **Zuul Proxy** as the **API gateway**.
* Deployed **Spring Boot** based micro services **Docker** container using **Amazon EC2 container services** and **using AWS admin console.**
* Utilized **AWS Lambda** platform to upload data into **AWS S3 buckets** and to trigger other Lambda functions.
* Created computing and data resources on **AWS** using **EC2**.
* Implemented AZURE load balancer to control high API requests within the application.
* Used **Microservice architecture** with **Spring Boot-based services** interacting through a combination of **REST and Apache Kafka** message brokers.
* Implemented **Hibernate Template** to great extent making use of **HQL**, Named Parameters, Named Queries and interfaces such as Expression, Query, and **Criteria**.
* Used Hibernate **Transaction Management**, Hibernate **Batch Transactions** and Hibernate **Cache Concepts**.
* Used **Stored Procedures** for applications that needed to execute as part of a scheduling mechanisms.
* Developed application based on document-based Database like **MongoDB**.
* Configure **Jenkins** build Jobs for **(CI)** and **(CD)**and writing**Python** scripts on top of it.
* Involved in Monitoring, Searching and Reporting with **Splunk 5.x**.
* Administered and deployed applications into **WebSphere** Application Server.
* Developed Test Cases and performed unit test using **JUnit** with **Mockito** Framework.
* Tested **Angular4** application using **Jasmine** framework and **Karma** configurations.
* Used **Log4J** for logging and tracing the messages.
* Used **GIT** for version control and involved in writing the build scripts using **Maven**.
* Used **SourceTree** (**GIT GUI**) for creating the feature **branches**, and merging the feature branches into **dev**.
* Used **JIRA** for defect management and to keep track of bugs and issues.
* Prepared documentation for some of the recurring defects and resolutions and business comments for those defects.

**Environment**: FileNet, IBM RAD 6.0, Java 1.5, JSP, Servlets, Spring, Hibernate, JSF, AZURE, ICE Faces, Hibernate, HTML, CSS, JavaScript, UNIX, Web Services- SOAP, WAS 6.1, XML, IBM WebSphere 6.1, Rational Clear Case, Log 4j, IBM DB2.

**Client: Staples, Framingham, MA Sep-2015 to Mar-2017**

**Role: Sr. Java/J2EE Developer**

**Description:**

Staples mainly focuses on developing a Retail application for the Staples Incorporation for selling products such as printer, scanners, floppy, office accessories, sheets etc. The motive of Staplesis to provide quick service to the consumer who needs quick purchase of office accessories both in lesser and bulk quantities. Generation of internal feeds like Coupons, Rebates and Campaigns are additional challenges. It requires technical expertise as well as domain knowledge.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Designed the **UML** diagrams based on the **OOAD** principles.
* Developed the application under **J2EE** architecture using **JSP, Struts**, **spring**, **JavaBeans**, and **iBATIS**.
* Worked on various use cases in development using Struts and testing the functionalities.
* Used **AJAX** in user validation and suggestion list and to display dialog boxes.
* Involved in preparing the High Level and Detail level design of the system using **J2EE.**
* Sever side validations are done using **Struts Validator** Plug-In.
* Created **struts form beans, action classes, JSPs** following **Struts framework standards**.
* Developed Web Interface using **Struts, Java Script, HTML** and **CSS.**
* Developed presentation screens by using **JSP**, **HTML** and **JavaScript.**
* Involved in the development of model, library, struts and form classes (**MVC**).
* Used **Spring Framework** and created the Dependency injection for the Action classes using **ApplicationContext**.
* Developed the Business logic on the web tier using **EJB Stateless Session beans.**
* Worked on **MQ** with **J2EE** technologies on the WebSphere MQ.
* Used display tag libraries for decoration and used display table for reports and grid designs.
* Worked on Rest based Web services for Mule **ESB** flows.
* Extensively used **Mule ESB** and **MMC** Server for application deployments.
* Worked on core java, using file operations to read system file (downloads) and to present on **JSP**.
* Developed an **API** to get the Service Level Validations from **SAM.**
* Providing fixes to the issues identified in testing phase.
* Developed a **RESTful** service to provide all the CRUD capabilities.
* Analyzed, designed and implemented **DAO** pattern for accessing Database using connection pool.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Used **Drools** in order to provide forward and backward chaining of rules execution**.**
* Involved in configuration of **XML** flat file and parsing the **XML** file using the **SAX Parser**.
* Used **Rational Clear Case** for version control and **JUnit** for unit testing.
* Provided troubleshooting and error handling support in multiple projects.
* Worked on Reconciliation, which involves in providing **root cause** analysis and **data fixes**.
* Configured **WebSphere** Application server and deployed the web components.
* Used **VSS** for version control and source code management
* Extensively involved in **designing UI**, reporting and specification documentation.
* Responsible for the user module, setting rights and permission to users through the keywords set with database and testing.

**Environment:**Java 8, Spring Boot, Angular 4, HTML5, CSS3, JSON, JavaScript, Hibernate, Spring Data, Mongo DB, Oracle 11g, IntelliJ IDEA, Git, AWS, Docker, RESTful web services, Apache Tomcat, Apache Kafka, Maven, Jenkins

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**Client: Express Scripts - Saint Louis, MO Nov-2013 to Aug-2015**

**Role: Sr. Java/J2EE and Full Stack Developer**

**Description:**

The project deals with the capability to refill prescriptions on-line check an order status, and research drug and health information and enables express to have multiple billers in place. Focuses especially on the cost effective and appropriate delivery of prescription medications to the market and assists its customers to moderate the cost and enhanced the quality of prescription drug benefits to the members nationwide.

**Responsibilities:**

* Participated in **Agile Scrum** methodology for application development and involved in analysis, design, coding, and unit testing of business applications in a fast-paced environment**.**
* Extensively worked on Hibernate Cache, Query, Criteria and Transactions in secondary project.
* Worked with high volume and complex **PL/SQL stored procedures** and **packages** using **TOAD**.
* Strong experience with **Cassandra** development (reports, schema design, map reduce functions, replica sets)
* Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers like **Jenkins**.
* Implemented the database connectivity using **Oracle 11g** database as backend.
* Worked on **Spring cloud** for Routing, Service-to-service calls, Load balancing.
* **JBoss** Application server implementation, support, workload management and **performance tuning** including Web server setup configuration with **JBoss** App Server.
* Oversaw all aspects of testing **JUnit, FIT, and SIT, End to End, Regression**, User acceptance and Performance.
* Used version control repository **GIT** and **JIRA** for issue tracking.
* Created and configured new **JIRA** projects and worked with departments to maintain existing **JIRA** projects.
* Developed and maintained automated regression test cases in **Selenium** Web Driver using Java programming.
* Used **Git** as Version Control System for the application.
* Developed User Interface application modules using **HTML**, **CSS** and **JavaScript, AngularJS, JSON,** and **AJAX**.
* Brief experience on implementing the **AngularJS** in creating animations based on CSS classes for a new requirement surfaced for the client.
* Used **JavaScript** for user interactions in pages. Creating a responsive web application integrating **Bootstrap** with **AngularJS** and media queries.
* Used **Angular 4 Routing** for navigating between screens and developed several reusable directives.
* Used various **Bootstrap** plug-in like **date picker, Bootstrap** selectors.
* Used **Spring Dependency Injection**, **Annotations and Spring MVC components** to implement business layer and navigation part of application.
* Consumed **Web Services** for getting the credit card information from third party application.
* **RESTful** web services using Jersey for JAX-RS implementation.
* Designed and Implemented **REST**web services using **JAX-RS, Spring REST.**
* Developed REST Web Services clients to consume those Web Services as other enterprise wide Web Services.
* Consumed **Web Services** for getting the credit card information from third party application.
* Used Stream API to transfer data back and forth between **Spring Cloud, Spring MVC.**
* Involved in the configuration of **Spring, Spring Cloud, Micro Services Framework and Hibernate mapping.**
* Database development required creation of new tables, **PL/SQL** stored procedures, functions, views, indexes and constraints, triggers and required **SQL** tuning to reduce the response time in the application.
* Worked on the **Spring Boot**based services interacting through a combination of **REST**and **Apache Kafka** message brokers, utilized then to build the Real-Time Data Pipeline using **Apache Storm** data analysis**.**
* Extensively used **Hibernate** in data access layer to access and update information in the database. Used Hibernate Transaction Management, Hibernate Batch Transactions, and Cache concepts.

**Environment:**Spring cloud, Git, JFC, Spring Boot, Hibernate 4.x, Rest Web Services, JavaScript, TOAD, HTML5, CSS, JIRA 5.x/6.x, Kafka, NOSQL(Cassandra), Selenium, Angular JS, Micro Services, JBoss,Maven, Oracle 11g**.**

**Client: Dupont Pioneer-Johnston, IA Sep-2012 to Oct-2013**

**Role: Sr. Java/J2EE Developer**

**Description:**

It is a Loan Management system application that helps to manage loans that were loaned to several farms, famers, agencies etc. This application allows agents and customers to process their loans (In-store/Web). The web application allows the customers to send their checks, payment info via electronic modes. They can purchase various types of seeds with the loan amounts and can work with agencies on any of their issues.

**Responsibilities:**

* Involved in the design and development phases of **Agile Software Development.**
* Developed the application using 3 Tier Architecture i.e., Presentation, Business and Data Integration layers in accordance with the customer/client standards.
* The application is designed using **J2EE design patterns** and technologies based on **MVC** architecture.
* Automate report generation in **MongoDB** using **JavaScript, shell scripting, java**.
* Implemented **printable chart report** using **HTML5**, CSS3 and jQuery.
* Applied **JavaScript** for client-side form validation.
* Developed automated solutions to include web interfaces using **HTML, CSS, JavaScript** and **Web services**.
* Written **Web Services (JAX-WS)** for external system via **SOAP/HTTP** call.
* Created **Managed Beans** for handling JSF pages and include logic for processing of the data on the page.
* Worked on **UNIX, LINUX** to move the project into production environment.
* Created **Responsive** Layouts for multiple devices and platforms using foundation framework.
* Worked on **UNIX, LINUX** to move the project into production environment.
* Used **FileNet** for Content Management and for streamlining Business Processes.
* **Hibernate** an **ORM** framework was used on DAO layer to persist application data into Oracle database.
* Developed Hibernate with Spring Integration as the data abstraction to interact with the database.
* Involved in developing **SQL queries, stored procedures**, and functions.
* Extensively used the **Spring framework** implemented upon the **MVC design pattern**.
* Implemented **Hibernate** for Database Transactions on **DB2.**
* Involved in the configuration of **Spring Framework and Hibernate mapping tool**.
* Performed routine operational **LINUX**system administration duties.
* Monitoring **WebLogic** Server health and security.
* Creation of **WebLogic** domains and setup Admin & Managed servers for **JAVA/J2EE** applications on Non-Production and Production environments.
* Creation of Connection Pools, Data Sources in **WebLogic** console.
* Used **Log4j** framework to log/track application.
* Creating and build scripts using **Ant** for deployment Tested and implemented application on WAS 6.1 server.
* Prepared and presented **UNIX** production and implementation schedules to the Project Manager and client.
* Installed, maintained and fine-tuned the **Tomcat server** and **WebSphere Application Server** in **Linux Platform.**
* Experienced in build, deploy multi module applications using Maven, ANT and CI servers like **Jenkins**.

**Environment:** JDK1.5, JSP, JSF, Struts, iBATIS, Spring, HTML, JavaScript, AJAX, CSS, XML, EJB, PL/SQL, IBM WebSphere Application server 5, Mule ESB, JUnit, Web Services (JAX-WS), VSS, SAX Parser, Oracle 9i.

**Client: State Farm, IL Dec-2010 to Aug-2012**

**Role: Java/J2EE Developer**

**Description:**

The State Farm hosted enrolment website for premier insurance clients that will allow a user to establish an account that will allow registration of multiple cards to one username and password. They will be able to receive the alerts via SMS, email or both when their card is used in a country that is determined to be outside their home country. The enrolment web service utilizes the in-Control platform to deliver the alerts. In addition, the existing Common Registration Web Service and Bank net Bridge services are utilized.

**Responsibilities:**

* Involved in design and development of all modules in the application.
* Developed and deployed Java **REST** web services using **Spring Framework**.
* Converted the mock-ups into hand-written **HTML, AJAX**, **XML** and **JSON**.
* Developed presentation tier as **HTML, JSPs** using **Struts** Framework.
* Designed and implemented **Spring ORM** module to integrate **Hibernate.**
* Implemented **SOA architecture** with web services using **SOAP, WSDL, UDDI and XML.**
* Developed web components using **MVC pattern** under **Struts framework.**
* Responsible for writing detail design documents and class diagrams and sequence diagrams.
* Developed Custom tag libraries to separate presentation and processing logic.
* Designed and developed a **REST Web Services** using Jersey framework builds on **JAX-RS.**
* Prepared Unit test cases for existing functionality as per the requirement and execute the same.
* Prepared Unit test cases for existing functionality as per the requirement and execute the same.
* Worked on core java, using file operations to read system file (downloads) and to present on **JSP**.
* Involved in **Core Java** coding by using **Java APIs** such as **Collections, Multithreading, Exception Handling, Generics, Enumeration,**and**Java I/O** to fulfil the implementation of business logic.
* Developed **SQL** as well as **stored procedures** to interact with **Sybase and MySQL**.
* Involved in developing **SQL** queries, **stored procedures**, and **functions**.
* Business level validations were done using **Struts** Validator framework.
* Used Cascading Style Sheet **(CSS)** in web pages to separate presentation from structure.
* Implemented **Action Classes** server-side validations for account activity, payment history and **Transactions.**
* Developed Struts Action classes using Struts controller component.
* Designed and developed **J2EE** application using **Servlets, JSP, JavaBea**ns and **EJB.**
* Implemented applications in **JavaScript**, and **MySQL**.
* Entity Beans used for accessing data from the **SQL** Server database.
* Used **JSF** to reduce the effort in creating and maintaining this entire application.
* Involved in the building **Maven** POM files and **Maven** testing.
* Involved in writing the associations for the query in mapping xml files in **Hibernate**.
* Used **JMS** for reliable and asynchronous exchange of important information such as payment status report.
* Worked exclusively on **MDB**, **Messaging Queues** and Posting **Error Messages** to the Queue.
* Continuous integration to build the project using **Jenkins** with **Maven** Builder.
* Worked on the **Spring MVC Restful Web services**, exposing services and consuming the third party.
* Developed **UML models** consisting of Use Case Diagrams, Sequence Diagrams using Rational Rose software.
* Involved in handling **Hibernate** as part of DB connectivity, persistence as ORM tool and writing **HQL** queries.
* Developed the **JSP** using the tag libraries. Perform validations using **struts validation** framework.
* **CVS** was used for project management and version management.
* Designed configuration **XML Schema** for the application.
* **WSDL** was used for publishing Web Service interfaces.
* Used **JUnit** Testing Framework for performing Unit testing.
* Strong experience in implementing the **Web Services** (**JAX-RS, RESTful**).
* Involved in system design and development using **Collections** and **Multithreading** for the action classes.

**Environment:**JSP, AJAX, Struts framework, Hibernate Framework, JMS, SOAP, XML, Spring Framework, Log4j, Java Script, HTML, Oracle9i, SQL, PL/SQL, Web Sphere, WSAD, JSTL, Struts tags, Junit, Mockito, SQL, Struts, CSS, Jenkins.

**Client: Virtusa Consulting Services - Hyderabad, India Oct-2009 to Nov-2010**

**Role: Jr. Java Developer**

**Description**:

Neo is a workflow engine for T2R (Trouble to Resolve) process. Neo progresses the fault or Trouble Report (TR) through its journey and takes Trouble Report to completion. Throughout its journey NEO interacts with various components and acts as a heart of T2R process for Service Assurance.

**Responsibilities:**

* Involved in gathering and analyzing system requirements.
* Played key role in the high-level design for the implementation of this application.
* Developed the Training and Appraisal modules using **Java, JSP, Servlets and JavaScript.**
* Developed UI using **java swings.**
* Created tables, views, Types, triggers, complex join queries, stored procedures, and functions and modifications to existing database structure as required for addition of new features
* Involved in Designing the Database Schema and writing the **complex SQL queries.**
* Involved in Code reviews for other modules developed by peers.
* Designing and establishing the process and mapping the functional requirement to the workflow process.
* Accessed stored procedures and functions using **JDBC Callable statements.**
* Executed and coordinated the installation for the project.
* Involved in designing and developed presentation layer using **JSF, Ajax, jQuery and third-party libraries.**
* Worked on web-based reporting system with **HTML, JavaScript** and **JSP.**

**Environment:**Java, JDK, 1.3, J2EE (JSP, Servlets, EJB), JDBC, Apache Tomcat, oracle, HTML, DHTML, SQL, JUnit.