**Sreelekha Jadala**

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**SUMMARY**

* Over **8** years of Experience in IT industry as a **Full Stack Java Engineer** with proven expertise in **Wed** and **Enterprise application Development** with **J2SE** and **J2EE** involving **Cloud Computing** platforms like **Amazon Web Services (AWS).**
* Proficient in all phases of **SDLC** (**analysis, design, development, testing and deployment**) and highly competent in gathering user requirements.
* Experience in implementing **client**-**server** business applications using **Microservices**.
* Experience in various **Agile methodologies** like **Test Driven Development (TDD),SCRUM**, and **Pair Programming**.
* Experienced with Cloud Computing environment like **Amazon Web Services (AWS), Spring Cloud**.
* Experience in **AWS** Cloud Platform and its features which include **Elastic Cloud Compute** (**EC2**), **Simple Storage Service** (**S3**), **Route 53, Elastic Block Storage** (**EBS**) and **Auto Scaling**.
* Experience in developing web - based applications using **Python 2.7/3.0, Django 1.7/1.8, Angular JS, JQuery** and **Bash Scripting**. Good knowledge of web services with protocols SOAP and REST.
* Experience working with **Docker** to improve our (**CD) Continuous Delivery** framework to streamline releases
* Using Java 8 features such as Lambda expressions, Functional Interfaces, Streams to avoid boilerplate code, keep code simple and extensively used core java technologies such as Collections, Multi-Threading, Exception Handling.
* Hands-on experience in the **Spring Framework, Spring Core (IOC Container** and **Dependency Injection), Servlets, JSP, JSF, EJB, Hibernate, Spring MVC, Data Access (JDBC** and **ORM)** and **Spring Boot** technologies.
* High experience in using **ORM** frameworks like **Hibernate and Design Patterns** such as **MVC**, **Session Façade**, **Front Controller, Data Access Object (DAO), Value Object, Singleton, Service locator** for executing **multi-tier**, **highly scalable**, **component based**, Service driven **Enterprise Java application**.
* Using **Docker** containers for local and cloud-based development.
* Experience in Data migration from **DB2** to Apache **Cassandra** DB and involved in major and minor up gradation of Couch base and **Cassandra cluster**.
* Experience in using **Ant**, **Maven** build tools and performing unit test by writing Junit test cases using Junit Frameworks like **Mockito**, **JMock**.
* Experience in generating logging by Log4j to identify the errors in production test environment and experienced in **Ant**, **Maven** and Gradle tools.
* Core development experience for **Groovy** Grails restful **web services**.
* Installed, Configured and Managed **Docker Containers, Docker Images** for Web Servers and Applications servers such as **Apache, Tomcat using Docker** and integrated with **Amazon MySQL RDS database**.
* Experienced and proficient deploying and administering **GIT**.
* Developed **Maven** and **ANT Scripts** to do compilation, packaging and deployment in Web Sphere app server.
* Continuous integration using **Jenkins** for nightly builds and send automatic emails to the team.
* Used **Jenkins** plugins for code coverage and also to run all the test before generating war file.
* Worked on micro services project- to build **Docker** containers and deploy **to Dev, iTest, Scale, UAT (SIT), PROD**
* Enhance **SDLC** cycle by using **Docker** containers delivered with **Openshift** for web application deployment.
* Good understanding of **OpenShift** platform in managing **Docker** containers and **Kubernetes** Clusters.
* Implemented Model View Controller (**MVC**) architecture using Spring Framework.
* Developing web-based applications using **Java/ J2EE** Frameworks Spring **MVC** and **Grails/Groovy**
* Developed the Business layer using **Spring Boot**.
* Generated Java APIs for retrieval and analysis on **No-SQL** database such as **HBase** and **Cassandra** and Worked with **NoSQL** databases like **Cassandra** and **Mongo DB** for POC purpose.
* Responsible for writing the Design Specifications for the generic and application specific web services in **Groovy** n Grails.
* Configured RDS instances using Cloud formation templates and Terraform. Worked with **Terraform** to create AWS components like **EC2, IAM, VPC, ELB, Security groups**.
* Designed and developed the framework to consume the web services hosted in **Amazon EC2 instances.**
* Installed application on   **AWSEC2** instances and configured the storage on **S3** buckets.
* Designed and developed the **REST** based **Microservices** using the **Spring Boot**.
* Hands-on experience in creating **UI** using web technologies like **HTML**, **CSS, JavaScript**, **jQuery**, Ajax, **Angular.js**, **Angular7, Bootstrap.**
* Hands on experience in writing light weight **Node**.**js** express server to make connections between server and databases like **MongoDB** and **MySQL**.
* Migrated applications to **the   AWS cloud .**
* Involved in writing java **API** for **Amazon Lambda** to manage some of the **AWS services**.
* For continuous integration used **Jenkins** mainly to generate and send automatic emails regarding updates on project.
* Used **Groovy** on **Grails** **framework** for web development.
* Installed **Jenkins** plugin for code coverage.
* Good knowledge of Configuration Management tools like **SVN, CVS, and GIT**.
* Used Software Configuration Management (**SCM**) tools like **SVN**& Java Build tools like **Apache** and **Maven**.
* Implemented real-time analytics pipeline stream data using **Kafka** and logs redirected to **Splunk.**
* Used **Jenkins** for doing automated and manual builds, experience in deploying .WAR file of the application to higher environments and on multiple servers.
* Expertise in using **Jasmine** for unit testing and **Karma** for running unit tests.
* Development of a Continuous integration/Continuous delivery (CI/CD) infrastructure using agile development methodologies for large scale JAVA.
* Experienced in development methodologies like **Agile**, **waterfall and Interactive life cycle** and software engineering processes.
* Strong interpersonal skills, the ability to interact with people at all levels, and strong communication and presentation skills.

**TECHNICAL SKILLS**

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| **Java technologies** | Java Beans, Servlets, JSP, EJB, Hibernate, JDBC |
| **Web Servers** | WebLogic 8.1/9.2/10.0, WebSphere, JBOSS 4.0, Tomcat 4.0.4 |
| **Design Pattern/Framework** | Spring, Hibernate, Model-View- Controller (MVC), Angular2.0, Angular 7.0 and Node.js. |
| **Cloud** | Amazon EC2, Amazon S3, Amazon RDS, AWS Lambda, Amazon SQS, AWS Identity and access management, AWS Cloud Watch, Amazon EBS other services of the AWS family, Jenkins, Maven, Docker |
| **Databases** | Oracle 11g/10g/9i/8i, MongoDB, MySQL |
| **Development Tools** | Eclipse, Spring Tool Suite, IntelliJ, NetBeans. |
| **Web Technologies** | Java Script, jQuery, HTML/HTML5, CSS/CSS3, XML, AJAX, and JSON, GroovyWeb services: JMS. |
| **Operating Systems** | Linux, Windows XP/Vista/7/10, Mac OS  |
| **Source Code Management/Tracking tools** | CVS, Git, SVN, JIRA |

**PROFESSIONAL EXPERIENCE**

**Full Stack Developer**

**Chicago Trading Company (CTC), Chicago, IL** **Jun’ 19 to Present**

Chicago Trading Company (CTC) is a team-focused derivatives trading firm that employs a multifaceted approach to trading across a variety of products and strategies. Always trying to improve to position themselves at the forefront of the financial markets. Trade a broad spectrum of asset classes including Indexes, Equities, Interest Rates, and Commodities.

**Responsibilities**:

* Followed the **SDLC-SCRUM** framework over the period of the project design, development, testing and deployment.
* Involved in working with all the modules of the application are based on Spring Frame architecture and J2EE technologies.
* Developed applications using **JAVA8, J2EE, JavaScript** with **JDK**.
* Designed and Developed Applications using high-level design patterns and other **J2EE** design patterns (Abstract, Singleton, Prototype, Factories, Facade).
* Expertise in **Hibernate , Docker , Jenkins, Azure, EMR, Apigee, Splunk, Dyna** Trace Management tools and a web commerce like **ATG** .
* Work with **Java, MYSQL, HBase, Apache Kafka, Bash, HTML, CSS, Spring Framework, Hibernate, Tomcat, JBoss, Unix, Linux, and JavaScript.**
* Used **Maven** tool to build and packaged, deploy an application project and integrated with **Jenkins**.
* Involved in **Core Java** development and Support of **Java/J2EE** applications with emphasis on **OOP**-based web forms, business logic, and database access components.
* Generated Java APIs for retrieval and analysis on **No-SQL** database such as **HBase** and **Cassandra**.
* Developed Core Service as **Maven jar** that can be included by other Micro-services as their **Maven** dependency.
* Ran the back-end Application with a class @**SpringBoot** Application Annotation or using command spring-boot: runner installing spring tool suites
* **Spring Boot** Microservices were developed with microservice architecture using **REST** and Apache **Kafka**.
* Used **Docker** for making packages into images by using Build, run and test.
* Integrated **Hibernate ORM** with **Spring-Hibernate** framework facilitates **DML** and **DQL** queries and represents object-database mapping.
* Worked on **JavaScript** **MVC** Framework like **Angular JS** and **BASH Scripting**. **Python/Bash Scripting** for automation and monitoring system processes. Developed web services using Restful technology to support JSON and XML.
* Involved in building the application which works on **Groovy grails, Angular JS, Java 8 and RESTWeb Services**.
* Responsible to maintain **Maven** Build Scripts and tweak if changes in the requirements.
* Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**.
* Built an Application and deployed microservices in the **AWS Cloud** using **Docker** containers.
* **Git** as application repository and for deploying to **AWS** using code commit.
* Utilized **Cassandra**, **NOSQL** database management system for keeping user generated data.
* Responsible for creating efficient design and developing User Interaction screens using **HTML, CSS3, JavaScript, Typescript, Angular 8** and **Node and NPM**.
* Involved in building the application which works on mainly **Groovy grails, Html, Css, Rest services, Java script, Spring, Maven, Hibernate.**
* Implementing or exposing the Microservice architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache** **Kafka** message brokers.
* Used **Maven** build tool for compiling and packaging the application and used **Jenkins** with **maven** for application build and continuous integration.
* Developed **Maven** script to build and deploy Java applications.
* Experience in configuring build tools like **Maven** and **ANT** for the development and deployment with **Jenkins** and Hudson.
* Used **Bitbucket** git to store and maintain source code.
* Migrated few cloud formation templates to **Terraform** by using various AWS modules and secures the **Terraform** state file in s3 buckets. Used Terraform plan to meticulously detect and analyze the changes that will be inflicted after **Terraform** apply.
* Automated different workflows, which are initiated manually with **Python** **scripts** and **Linux** **bash scripting**.
* Developed **REST APIs** using **SpringBoot** and **SpringDataJPA**.
* Created **Typescript** reusable components and services to consume **REST API'**s using Component-based architecture provided by **Angular** (Angular6/ Angular7).
* Used transactional functionality of **Groovy** to enable batch transactions in the **Database**.
* Used **AWS RDS** for database configuration.
* Used **AWS code** pipeline for moving the code across different environments.
* Built applications using **Angular** and **ReactJS** with **ES6** which allowed us to render pages on both the client and server using the same codebase, developed web and mobile applications using **ES6** features and frameworks such as **React, React Native** and **Redux**.
* Used **Docker** coupled with load-balancing tool **Nginx** to achieve **Continuous Delivery**.
* Designed and created **Angular** components to make the application reusable and easily maintainable.
* Created **Angular** (Angular6/Angular7)components and services for a single-page application. Created reusable custom directives and service using **Angular6/ Angular7.**
* Consume **RESTful** web services in **Angular6/Angular7** using HTTP, promise, observables using various operators such as modify, filter, map, concat, merge, routing and navigation for calling data from the backend.
* Designed and maintained **AWS** infrastructure which is highly available, scalable, secured, monitored and alerting network infrastructure.
* Designing and Deploying **AWS** Solutions using **EC2, S3, EBS, Elastic Load balancers (ELB), auto-scaling** groups.
* Maintained the user accounts **(IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS** services in **AWS** cloud.
* Used Gradle build tool to automate the process of generating **Docker** files, building **Docker** Images and pushing them to **Docker** Private Registry.
* Source code management is performed using **GIT** from master repository and knowledge on container management using **Docker** in creating images.
* Worked with SQL and NoSQL databases in order to optimize data logging process.
* Worked with **MySQL** for relational data storage and retrieval. Optimized query methods in order to increase retrieval performance.
* Worked with **MongoDB** for File uploading and Downloading and data logging for the web service using play framework.
* Created various **MongoDB** collections and wrote services to store and retrieve user data from for the application on devices and used **Mongoose API** to access the **MongoDB** from **NodeJS**.
* Implemented various services using **Microservices** architecture in which the services work dependently.
* Used **Docker** to containerize **Microservices** in the cloud and managed clusters using **Docker** **Swarm** and **Kubernetes**.
* Selecting the appropriate **AWS** service based on compute, data, or security requirements.
* Experience in Integration of **Amazon Web Services** **AWS** with other applications infrastructure.
* Established Database Connectivity using **JPA, Hibernate O/R mapping with Spring Data ORM** for **Oracle**.
* Implemented **SOA** architecture with **Web Services** using **SOAP, WSDL, UDDI** and **XML** using **Apache CXFframework** and worked on parsing the **XML** files using **DOM/SAX** parsers.
* Created **tables, triggers, PL/SQL Stored Procedures, SQL queries, Joins, i2ntegrityconstraints** and **views** for **IBM DB2.**
* Used **Multithreading** in programming to improve overall performance using **Singleton** design pattern in Hibernate Utility class.
* Created reference implementations of **Ant, Ivy and Artifactory** dependency system, and a Jenkins continuous build system.
* Implemented **Restful** and **SOAP** based Web Services and used **Soap UI** for testing.
* Used **Spring JMS** module for lookup for the queues and MDBs for the listeners.
* Involved in **Unit Testing** of various modules by generating the **Test Cases.**
* Performed deployment of applications on **Web Logic.**
* Written **LINUX** shell scripts to identify user login information.
* Involved in day to day handling of **JIRA** issues (production issues at time) that involved data inconsistencies that required to be solved in very less time.
* Worked with **IntelliJ** and used **Gradle** build tool to achieve more functionality for build process.
* Used **Jenkins** as build management tool for continuous integration process and **GitHub** as Version Control tool.
* Involved in Bug fixing of various modules that were raised by the testing teams in the application during the **Integration testing phase.**
* Participated in **Code Reviews** of other **modules, documents and test cases**.

**Environment:** Core Java 7, Java8, J2EE, JavaScript, Oracle 11g, Angular 7, Microservices, AWS, Docker, Jenkins, Maven, Git, XML, Spring Web Services, Spring Boot, CSS3, NoSQL, CI/CD, JSP, SOAP UI, HTML5, API, Mongo DB, PL/SQL, node.js, Junit.

**Java Full Stack Developer**

**PennDot, Harrisburg, PA Jan’ 19 to Jun’ 19**

PennDOT is committed to maintaining and improving bridges through bridge preservation activities, including painting, deck joint repair or replacement, rigid deck overlays, etc. In the long run, preservation saves money by extending bridge service life, thus deferring the need for major rehabilitation of bridges.

**Responsibilities**:

* Developed application using **Agile** Methodology. Responsible for creating functional design documents, technical documents, flow charts and data flow diagrams.
* Setting up the build and deployment automation for Java base project by using **Jenkins** and **Maven**.
* Implementing a **Continuous Delivery** framework using **Jenkins, CHEF, Maven** in Linux environment.
* Setup the **continuous Integration (CI)** and **continuous Deployment (CD)** process for the application using the **Jenkins**.
* Participated in the daily stand up **SCRUM** agile meetings as part of **AGILE** process for reporting the day to day developments of the work done.
* Experience on practical implementation of cloud-specific AWS technologies including **IAM, MFA, Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Cloud Formation, Elastic Bean Stalk, Virtual Private Cloud (VPC), RDS and Cloud Watch.**
* Involved in maintaining the user **accounts (IAM), RDS, Route 53 services in AWS Cloud.**
* Developed Spring Controllers, Service Components, DAOs, Web Services and **UI** Integration for processing the member request for two modules.
* Collaborate in the automation of **AWS** infrastructure via **terraform** and **Jenkins** - software and services configuration via chef cookbooks.
* Implemented service layer on top of Cassandra using **core Java, Datastax Java API** and **Restful API**.
* Installed **Kafka** on the cluster and configure producer and consumer coding part in java to establish a connection from source to HDFS with popular hash tags.
* Experienced with version controller like **SVN and GIT (Bitbucket, GitHub).**
* Built real time pipeline for streaming data using **Kafka** and **Spark Streaming** .
* Experience with **Docker** Containers, leveraging Linux Containers and AMI’s to create **Docker** Images/containers and **Kubernetes**.
* Good experience on **DevOps** tools such as **GIT, SVN, ANT, Maven, Chef, Puppet, Ansible, Vagrant, Virtual Box, Jenkins, and Docker.**
* Experience with **DevOps** technologies like **Jenkins**, **Maven** etc.
* Deployed Spring Boot based microservices in **Docker** and **Amazon EC2** container using **AWS**.
* Used **Amazon Cloud Watch** to monitor **AWS** services and **Amazon Cloud Watch** logs to monitor application.
* Developed the DAO layer using the Hibernate annotations and configuration files.
* Selecting the appropriate **AWS** service based on compute, data, or security requirements.
* Integration of **Amazon Web Services( AWS)** with other applications infrastructure.
* Experience with tools like Experience with **Docker** Images/containers and K**ubernetes**.
* Deployed Spring Boot based micro services **Docker** container using **Amazon EC2** container services and using **AWS** admin console.
* Experience with **DevOps** tools such as **Jenkins, Maven, Artifactory.**
* Used **Spring MVC** Framework Dependency Injection for integrating various Java Components
* Used **Maven** Scripts to build and deploy applications and worked closely with build team to resolve CI, **Maven** site and Report Issues. **Unit** Testing Java code using JUnit 4 and Integrating with **Jenkin**
* Wrote **SQL** queries and Stored Procedures for interacting with the Oracle database.
* Involved in writing **Java API** for Amazon Lambda to manage some of the **AWS** services.
* Extensively used **Spring RESTful** web services for designing the end points.
* Developed the web interface using **HTML**, **CSS**, **JavaScript**, **jQuery**, **AngularJS**, and **Bootstrap**.
* Used **Ant** to build and package the application.
* Develop the GUI using **JSP**, **spring** web flow following spring web **MVC** pattern.
* **AWS S3** is used to store customer's monthly credit statements.
* Apache Camel's **AWS** component is used to upload documents to **S3**.
* Enhance and modify the presentation layer and GUI framework that are written using **JSP** and **client**-side validations done using JavaScript & design enhanced wireframe screens.
* Used **SVN** for version control across common source code used by developers.

**Environment:** Java 1.6, J2EE, JSP/Servlets, Struts2.3.12, Spring Framework, MongoDB, Hibernate3, AWS, Docker, Maven, Jenkins, Oracle 11g, SQL Developer, Web Services, XML, GIT, AJAX, GIT, jQuery , Eclipse, WebLogic 10.0 Application Server, Dimensions, ANT1.9, HTML, SOA.

**Java Developer**

**MNP, Reliance Tech Services, India Apr’ 15 –Apr’ 18**

Mobile Number Portability is the application which allows the customers to change the service provider of their mobile. It consists of three modules port-in, port-out and SLA. There is a Central Clearing House (CCH) which acts as an interface between all the network service providers.

**Responsibilities:**

* Implemented **MVC** architecture using Struts Framework. Designed and developed front end using **HTML**, **CSS**, **JSP**, **Struts** (tiles and tag libraries) and validation through JavaScript.
* Used **JavaScript** for updating a part of a web page to reduce the bandwidth usage, load time in web pages and for page functionality and Pop-up Screens.
* Used Struts tag libraries to create **JSPs**. Used **AJAX** libraries such as **jQuery** and DWR.
* Java Mail **API** was used to notify the authors about document publishing status. Design and implement asynchronous messaging using **JMS**.
* Created stored procedure and other **SQL** scripts using **PL/SQL**. Implemented solutions relying on Service Oriented Architecture (**SOA**), using Web Services, **SOAP** and **WSDL.**
* Involved in Daily Scrum meetings, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Developed the UI by using **HTML**, **CSS**, **jQuery**, **JavaScript** and **Ajax**.
* Consumed **SOAP** and **Restful** web services in **SOA** environment and used **SOAP** UI for testing.

**Environment:** Java 1.6, Servlets, JSP, spring, JDBC, Hibernate, Spring JDBC, REST Web Services, Java Script, Ajax, Web sphere, SVN, Oracle, JMS, XML, Unix, jQuery, HTML, HTML, CSS.

**UI Developer**

**RM Technologies LTD, India Jul’ 12 – Apr’ 15**

Web Designing, Web Development and Software Engine Optimization (SEO) services. Branding, Website Designing, Software Development, Digital Marketing, Mobile Applications Development.

**Responsibilities:**

* Developed the **UI user interface pages using HTML, DHTML, CSS, JSON, TypeScript, jQuery, and Ajax**.
* Worked closely with Engineers and product managers to create user stories and scenarios used for intuitive websites and mobile designs.
* Implemented **Angular JS** Services for connectivity between web application and back-end API'S using **TypeScript**.
* Used **Rxjs** catch library and catch functions to handle error handling in **Angular JS** Application.
* Built SPA with loading multiple views using route services using Angular and Node.js.
* Created Angular components like **Controller, Directives, Services and Forms** to collect the input from the User and implemented interpolation, input variables, Bootstrapping, NgFor, Ngif, Router Outlet, binding the events, decorators.
* Developed **Angular Templatedriven forms** and Model driven forms builder by using ngModel.
* Used package managers like **Bower and NPM**.
* Involved in writing test cases using Jasmine and Karma to ensure 100% code coverage.
* Experience with working in short sprints in an **Agile SCRUM** software development model, good understanding of Scrum processes, tools like **JIRA**, and artifacts like Stories, Tasks.

**Environment:** HTML5, CSS3, JavaScript, JSON, jQuery, TypeScript, Angular JS, NodeJS, REST API's, Web pack, npm, Bower, Jasmine, Karma, JIRA, GIT, Jenkins and Visual Studio Code.