# KESAV NALLAN

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**A Java / J2EE developer with over 18 years of IT experience in application development, object-oriented programming, internet and intranet-based applications. Developing, Testing and implementing applications using Spring, JSF, Struts, Hibernate, Web Services, Experience in Java script Libraries such as Angular, React, Backbone etc. Experience in Full Software Development Life Cycle including Analysis, Design, Development, Testing, Deployment, Production Support, Enhancement and Maintenance**

**SUMMARY**

* Extensive experience in J2EE Frameworks such as **Spring, Struts, JSF, Hibernate** etc.
* Developed Single Page Applications using **Angular Framework and Typescript**.
* Developed applications using JavaScript libraries such as **ExtJS, Node.JS, Backbone, jQuery etc.**
* Used **Jasmine** with **Karma** to write tests cases and performed testing using **Protractor**.
* Experience in building enterprise Applications and Distributed Systems using **Core Java, J2EE Servlets, JSP, JSF, EJB, STRUTS, Hibernate, SPRING, JDBC, JMS and XML.**
* Worked with Relational Database Management Systems including **Oracle, MySQL & DB2.**
* Extensive Knowledge **on SQL, PL/SQL, Queries, Views & Stored Procedures.**
* Experience working with Web Services using **SOAP, REST.**
* Hands-on experience in working with XML related technologies such as DOM, SAX, XML Schema, XSL, XSLT, DTD, XSD, JDOM, JAXB, JAXP, XPATH and XQuery.
* Extensive experience in unit testing using **JUnit, Integration and Mockito.**
* Solid Experience in generating Feature files using **Cucumber in Gherkin.**
* Developed Test Automation Using **Cucumber, Selenium** and configured in **Jenkins.**
* Experience with Developing Test Suites in **SOAP-UI** tool for **REST** and **SOAP** Web Services.
* Build and Deployed applications on **Spring Boot**, **Tomcat, JBoss** and **WebLogic** Servers.
* Build and Deployed applications using tools **ANT, Maven** and **Gradle** in **Jenkins**, **Hudson.**
* Extensive experience in Integrated Development Environment (IDE) such as **Eclipse, NetBeans, IntelliJ, JBuilder, JDeveloper, WSAD, Spring Source tool suite.**
* Designed projects using **Design Patterns** and **UML** with **use cases, class diagrams, object diagrams, decomposition diagrams and state transition diagrams**, **Rational Rose.**
* Experience with **CVS, SVN** and **GIT** version control tools for code commit and update.
* Experience in the analysis of defects, tracking issues and fixing them using **JIRA.**
* Coordinated with Teammates in Code Reviews for Documenting and **Best Coding Practice.**
* Worked under **Agile** (XP, Scrum, TTD), **Waterfall**, RUP methodologies.
* Coordinated with QA team to ensure the quality of application & Business Analysis’s.
* Experienced in the development of Test Plan, Test Scenarios, Test Cases.
* Experience in all phases of software development life cycle (**SDLC**), which includes User Interaction, Business Analysis/Modeling, Design/Architecture, Development, Implementation, Integration, Documentation, Testing, and Deployment.
* Excellent Communication, Teamwork, inter-personnel, presentation skills and self-starter who grasp quickly and always willing to take on a variety of tasks with progressively increasing technical complexity.

**SKILL SET**

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| Technologies | **Spring, JPA, Hibernate, iBatis, JSF, Struts, EJB, JNDI, RMI, JDBC, JSP** |
| Web Technologies | **HTML, DHTML, XHTML, Swing, JSP, XML, XSL, XSLT, Servlets, JSTL, SOAP, REST** |
| Programming Languages | **Java 1.5, 1.6, 1.8, HTML, Visual Basic, JavaScript, SQL, PL/SQL** |
| Application Servers | **WebLogic, Apache, Tomcat, IIS, Java Web Server, JBoss** |
| JavaScript Frameworks | **Angular 10, 12, 15, RxJS, NgRx, Node JS, Backbone, Underscore, JQuery** |
| IDE and Tools | **Eclipse, Intellij, WSAD, NetBeans, Sublime, Visual Studio** |
| Databases | **Oracle, Sybase, DB2, MySQL, PostgreSQL, MongoDB, MarkLogic** |
| Object Oriented Analysis | **Unified Modeling Language (UML), Rational Rose Enterprise Edition** |
| Configuration Management | **CVS, SVN, GIT, Jira, Jenkins, Hudson, Confluence, Bit bucket, Sonar Cube, Rational Clear Case, Clear Quest, Docker, Kubernetes** |
| Testing Tools | **QTP, Selenium, Test Director, HP Quality Center, SOAP UI Pro.** |
| Operating Systems | **Unix/Linux platforms (AIX, Ret Hat, Sun OS, Solaris) Windows 9X/NT/ME/2000/XP, Macintosh, DOS** |

**PROFESSIONAL EXPERIENCE**

**Food and Drug Administration November 18 – Till date**

**Sterling, Virginia**

**Full Stack Developer**

**ALIS, RES, AMS, FACTS (SCAIL)**

The Recalls Enterprise System (RES) allows users to complete all activities that are part of managing the lifecycle of a recall. You can create new recalls, search for recalls, edit/ update information for existing recalls, submit recall recommendations, classify recalls, and terminate recalls.

Assignment Management Service (AMS) allows you to create Assignment and Operations for field users and then can be consumed by external systems.

**Roles & Responsibilities**

* Developed the application using Angular, Rest, Spring and Spring JPA, Hibernate, Oracle DB.
* Created Angular components like controllers, services, directives, and forms using Angular Material UI.
* Used RxJS Operators and handle Observers and Observables data.
* Used Jasmine framework with Karma to write tests cases and performed testing using protractor.
* Worked with Twitter Bootstrap framework making use of grids, advance components like Navbars, Pagination, Progress bars etc.
* Developed Web API using MVC framework for all business logic and exposed to the front-end.
* Generate and exported reports in Excel and PDF patterns.
* Created custom Spring Components, Services, Repositories, Converters and Validators
* Developed Spring Configurations, Components and Services for Spring Bean.
* Designed and coded application components in test driven development approach.
* Developed Business Service layer using Spring Services.
* Implemented Spring Security for Users Authentication and Authorization.
* Transferred files to remote servers and retrieved using Spring Integration.
* Used design patterns such as Singleton, Factory, Façade, Abstract, Builder etc.
* Designed and developed the Object Relational mapping using Hibernate.
* Designed and developed Entities using JPA and Hibernate Annotations.
* Developed Repository Implementations for Entities for CRUD Operations.
* Created SQL Queries, Views, and Stored Procedures for complex entities
* Designed & developed Data Transfer Objects to carry the data between diff. layers.
* Developed and consumed SOAP web services to interact with external systems.
* Developed and deployed web application using AWS services such as EC2, S3, and Lambda.
* Designed and developed RESTful APIs using AWS API Gateway and Lambda.
* Developed and maintained cloud infrastructure using AWS services such as CloudWatch.
* Developed test cases for Unit testing using JUnit, Integration using TestNG and Mockito.
* Developed SOAPUI Test cases to test Web Services.
* Developed test automation using Cucumber, Gherkin.
* Created Gherkin features and execution of Automated Behavior Data Driven scripts.
* Generated Java classes from the feature files using Cucumber.
* Used Selenium Web drivers Firefox, Chrome to instantiate browsers.
* Performed build acceptance testing and smoke testing using Cucumber automation tool.
* Developed BDD (Behavior driven development) based programs using Gherkin for cucumber.
* Developed functional/regression scripts utilizing Gherkin, Cucumber, Java.
* Continuous Integrate Selenium Scripts with CI Build tool Jenkins & Maven.
* Build and Deployed Applications on Development, Test, UAT using Jenkins CI/CD Pipelines.

**Environment:** Angular, Materials, Node.Js, Docker, Kubernetes, Bootstrap, Spring Boot, SOAP, REST, JPA, Hibernate, AWS, Oracle, JUnit, Mockito, GIT, Maven, Jenkins, Eclipse, VSCode

**General Services Administration May 14 – November 18**

**Reston, Virginia**

**Full Stack Developer**

**Project Description**

Energy Usage Analysis System is a web-based application which serves Energy Center of Expertise users for tracking energy details for various energy sources namely electricity, natural gas, oil chilled water, steam, renewable energy and others.

**Roles & Responsibilities**

* Created Angular components like Controllers, services, directives, and forms.
* Developed Web REST API using Spring MVC framework and deployed on Spring Boot.
* Designed and developed Entities using JPA and Hibernate Annotations.
* Migrated, modernized the application from on-premises and hosted on AWS, keeping the scope, security and integration points.
* Developed Entity classes for Database table using Hibernate JPA.
* Developed Repository Implementations for Entities for CRUD Operations.
* Created SQL Queries for complex entities.
* Developed Spring Configurations, Components and Services for Spring Bean.
* Designed & developed Data Transfer Objects to carry the data between diff. layers.
* Created Angular components like controllers, services etc. and forms using Angular Materials
* Developed Entity classes for Database table using Hibernate JPA.
* Extensively used Bootstrap styles for look and feel the application user friendly.
* Developed and consumed SOAP web services to interact with external systems.
* Transferred files to remote servers and retrieved using Spring Integration.
* Developed test cases for Unit testing using JUnit, Integration using TestNG and Mockito.
* Developed SOAPUI Test cases to test Web Services.
* Build and Deployed Applications on Development, Test, UAT using Jenkins CI/CD Pipelines.

**Environment:** Angular, Node.JS, Spring Boot, Bootstrap, Json, CSS, Restful Web Services, Spring, Hibernate, XML, Log4j, Oracle, JUnit, UNIX, GIT, Maven, Jenkins, and Eclipse.

**Affordable Care Act April 12 – April 14**

**Herndon, VA**

**Sr. Java Developer**

**Project Description**

The application allows individual or employer to shop insurance plans, enroll and manage plans online through marketplace which in turn gets the prices from different insurance companies from state run exchanges to serve individual needs for health insurances. Health insurance companies as Aetna, UHC, and BCBS etc. Parameter Management is a part of Financial Management Module which will search the price quotes for the current and future rates based on the parameters and also creates the rates for future.

**Roles & Responsibilities**

* Developed the application using JSF, Prime faces, REST Web Services.
* Extensively used Primefaces components such as Accordions, SelectoneMenu, and Datatable etc.
* Used AJAX for getting data for individual fields and submitting individual fields.
* Created custom Components, Converters and Validators for reusability.
* Integrated jQuery in JSF pages to update multiple components using CSS and ID selectors.
* Designed and coded application components in test driven development approach.
* Used design patterns such as Singleton, Factory, Façade, Abstract, Builder etc.
* Created Spring Scheduler to generate files using Cron expressions in Spring Integration
* Created Spring Beans using Configuration in Java
* Created Repositories using Spring Data JPA
* Designed and developed the Object Relational mapping using Hibernate.
* Designed and developed Entities using JPA and Hibernate Annotations
* Developed Repository Implementations for Entities for CRUD Operations
* Created SQL Queries for complex entities.
* Developed Spring Configurations, Components and Services for Spring Bean
* Designed & developed Data Transfer Objects to carry the data between diff. layers.
* Transferred files to remote servers and retrieved using Spring Integration.
* Build and Deployed Applications on Development, Test, UAT using Jenkins CI/CD Pipelines.

**Environment:** JSF, Primefaces, Spring Boot, JavaScript, JQuery, Json, CSS, SOAP, REST Services, Spring Integration and JPA, Hibernate, XML, Log4j, Oracle, JUnit, UNIX, Maven, Jenkins.

**National Institute of Health June 09 – March 12**

**Rockville, Maryland**

**Sr. Java Developer**

**Project Description**

The NIH provides financial support in the form of grants, cooperative agreements, and contracts. This assistance supports the advancement of the NIH mission of enhancing health, extending healthy life, and reducing the burdens of illness and disability. NIH awards many grants specifically for research, fellowship and training, career development, scientific conferences, resource and construction.

**Roles & Responsibilities**

* Designed & developed the application using Struts, Tiles, Spring and Hibernate.
* Developed the application Struts 2 tag libraries and Java Script.
* Developed Pagination for Search Results using Display Tag.
* Implemented asynchronous, AJAX based rich client for improved customer experience.
* Used AJAX for getting data for individual fields and submitting individual fields.
* Manage i18n(Internationalization) project - translating all aspects of the application.
* Designed and Refactored Code for enhancements & change requests.
* Developed Remote Service Interface and Remote Object Interface.
* Designed and developed the Object Relational mapping using Hibernate.
* Involved in writing the associations for the query in mapping xml files in Hibernate.
* Involved in writing SQL Stored Procedures, Functions and Views.
* Designed & developed Data Transfer Objects to carry the data between diff. layers.
* Designed and Developed Downloadable Jasper Reports in PDF, Excel and word format.
* Developed test cases for Unit testing using JUnit and performed integration and system testing.
* Build and Deployed Applications on Development, Test, UAT.
* Developed SQL Queries to from Oracle Database.
* Provided Production support for external users.
* Designed the application with reusable J2EE design patterns.

**Environment:** Struts 2.0, spring, Hibernate, Jasper Reports, Log4j, JUnit, JavaScript, CSS, Oracle 10g, Display Tag, UNIX, SVN, ANT, JDeveloper, Tomcat, Apache, LDAP.

**Verizon Business June 07 – April 09**

**Colorado Springs, Colorado**

**Jr. Java Developer**

**Project Description**

The scope of the Circuit Pricing Tool is to provide the users with a mechanism to change pricing arrangements at the service level for individual components, circuits, or access.  The CPT will provide a means to place a service on hold, prior to billing, in order to override the charge for that particular component so that it matches the customer's contractual agreement with Verizon.

**Roles & Responsibilities**

* Designed & developed the application using Web Logic Portal 10.3, ALSB, DSP, WLI.
* Developed the application Using Java Page Flow Controllers.
* Developed Portlets using JPF’s and JSP’s.
* Developed Screens using various Netui tag libraries.
* Used AJAX for getting data for individual fields and submitting individual fields.
* Created CSS Files for styles to the entire application.
* Build and Deployed Applications on Development, Test, UAT and Production Environments.
* Designed and Developed Downloadable Jasper Reports in PDF, Excel and word format.
* Developed Java Web Services using WebLogic.
* Designed and Developed XML Schemas using XML Spy.
* Developed Physical and Logical Data Services in Aqua Logic Data Services Platform.
* Developed Java Process Definitions using Weblogic Integration Created JDBC Connection Pool.
* Created Proxy Services for Business Service to get access to Service Clients on ALSB.
* Created Screen Flows, Roles and Participants for a particular process in ALBPM.
* Created JMS Queues and Bridges on BPM, ALSB, WLI and WLP Servers.
* Developed test cases for Unit testing using JUnit and performed integration and system testing.

**Environment:** Weblogic 10.3, WLI, WLP, ALDSP, ALBPM, ALSB, JSP’s, Net-UI, AJAX, JQuery, CSS, Java Web Services, XQuery, XML, Log4j, DB2, Oracle, JUnit, UNIX, CVS, Eclipse.

**EDUCATION**

**Masters in Computer Science**

South Dakota School of Mines and Technology

Rapid City, South Dakota

**Bachelors in Computer Science**

Golden Valley Institute of Engineering and Technology

KGF, Karnataka, India