**Lokesh K.**

**Sr Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Around **8+ Years** of experience in Architecture, Analysis, Design, Development, Testing and Support of Web applications using **Java-J2EE** with **Java, JSP, XML, JAXP, AJAX, Java EE/JAX-RS, jQuery, HTML5, CSS3, Servlet, ORM, JPA, ATG, TeamSite 7.5/7.2/5.5**and **Python**.
* Experienced in working with methodologies like **Agile, Scrum**.Worked with version management tools **GitHub**, **SVN**.
* Strong development experience creating rich frontend UI in **AJAX, JSF, JavaScript** technologies using **JavaScript** libraries like **jQuery**, **Angular 10, NodeJS, ReactJS, VueJS, React.**
* Wrote various **Angular8** custom directives and developed many reusable components and templates.
* Expertise in **J2EE** architecture using **Java, JDBC, JavaBeans, EJB, Servlets, JSP, JMS, Struts, ANT, Log4J, UML, XML.**
* Experience in Use Cases, Sequence Diagrams and Class Diagrams using **UML, J2EEDesign Patterns**.
* Expertise in server-side development with **JDBC, JMS, Servlet, MVC** architecture, **JavaBeans, XML**.
* Proficient in **XML** technologies like **XSL, XSLT, SAX, boot, WSDL, DTD, XSD, SOA, JAXB**.
* Experience in **Spring** framework extensively used **Spring DI, Spring Batch, Spring AOP, Spring JDBC templates, Multi-threading** and in working with **SOAP** &**RESTful Web Services**.
* Developed **Micro Services** architecture using Rest APIs, **spring boot** and **pivotal cloud foundry.**
* Developed **Hibernate ORM mappings**, **annotations** and established data integrity among **Oracle DB tables.**
* Expertise in using **Hibernate**, extensively used Entity Class Associations, Criteria Queries and Projections.
* Installed the applications on **AWS EC2** instances and configured the storage on **S3** buckets.
* Experience on **AWS** cloud services like **EC2, S3, RDS, ELB,** and **EBS** in both installing and configuring.
* Hands on experience in deploying web enterprise applications on **WebLogic, WebSphere, Tomcat**&**JBoss** server**.**
* Experience in creating **Docker** Containers leveraging existing **Linux** Containers and AMI's in addition to creating Docker Containers from scratch.Experience with messaging systems like **Kafka, Kafka event sourcing**.
* Experience in **CICD** - **Ant**, **Maven**, **Gradle**, **Jenkins** and Logging tools **Log4J**. Experience using **Maven**as build tool.
* Experience in implementation of Continuous Integration and Continuous Delivery and other tooling as needed to support internal and customer development efforts to customize and enhance **OpenStack**.
* Hands-on experience with IDE tools like **Eclipse, VS Code, Photoshop, Weaver, Sublime** and **NetBeans**.
* Expertise in back-end procedure development, database modeling for Database Applications using**MySQL**&**PL/SQL.**
* Comprehensive knowledge of physical and logical data **SQL**, performance tuning and monitoring.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra** and **CouchDB.**
* Familiar with popular browsers development and debugging tools/plugins for**Protractor, Jasmine, Grunt** and **Karma**.
* Created a responsive web offer wall so that it could be integrated with any **iOS/Android** app via a web view.
* Extensive experience in developing **GUIs** using **Struts, Spring MVC, Spring Web Flow** frameworks. Hands on experience with **PL-SQL stored procedures, Triggers** and **Views.**
* Good experience in using Version Controlling tools and defect tracking tools like **Clear Quest, Quality Center.**
* Worked on various fields like **billing**, **payment**, **IRA**,**Roth**,**401k**, **investments**, **banking, Cash, Bond, Stocks,** etc.

**Technical Skills:**

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| **Languages** | **C, C++, Java, J2EE, Java Script, Type Script, Python, SQL, PL/SQL.** |
| **Web Technologies** | **HTML5, CSS3, JavaScript, jQuery, AJAX, Angular 10, React, NodeJS, Bootstrap, JSON.** |
| **Databases** | **Oracle 11g/12c, SQL Server, MySQL, Mongo DB.** |
| **J2EE Technologies** | **Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean, JTA.** |
| **Web Services** | **JAX-WS (SOAP), JAX-RS (RESTful), WSDL.** |
| **Application Frameworks** | **Struts 1.x/2.x, Spring Core, Spring MVC, Spring Security, Spring Batch, Spring ORM.** |
| **ORM Framework** | **Hibernate, JPA, DAO, Spring JPA.** |
| **XML** | **XML, DTD, XSL, XSLT, XHTML, XML Schema and DOM Parsers.** |
| **AWS** | **EC2, RDS, S3, ELB.** |
| **Web/Application Servers** | **Apache Tomcat 8.0, IBM WebSphere 8, Oracle WebLogic, JBoss 4.0.** |
| **Version Control** | **IBM Clear Case 7.0, 7.1, SVN, CVS, Git.** |
| **IDE** | **Eclipse, MyEclipse, Edit Plus, NetBeans 7.0, Visual Studio Code, IntelliJ.** |
| **UML tools/ Build tools** | **Apache ANT, Maven, Jenkins, JUnit, Jira, Dream viewer, Rational Rose, UML, Selenium.** |
| **Design Methodologies** | **Agile, Scrum, UML, J2EE Design Patterns.** |

**PROFESSIONAL EXPERIENCE:**

**Client: The Vanguard Group, Malvern, PA**

**Duration: June 2021 – Till Date**

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

**Description:**Vanguard is aninvestment management company. Worked on Financial Projection Webservices, which calculates success percentages of any retirement, savings, health, or personal goals. Worked on Cash Flow Engine, which allows consumers to predict each year’s cash flow, until their retirement age.

**Responsibilities:**

* Migrated existing applications from **Java 8** to **Java 11** for performance enhancement andincreased security.
* Integrated with **Spring Cloud** projects to provide distributed tracing and other features.
* Developed microservices with Spring and tested the application using **Spring Boot**. Used **Spring Core** annotations for Spring **Dependency Injection**, **Spring MVC** for Rest API’s and **Spring Boot** for **microservices**.
* Development of cloud hosted web applications and **REST APIsusing Spring Boot** with embedded **Tomcat**.
* Deployed the application on **Amazon Web services**to provide a large computing capacity for scalable solutions.
* Deployed applications into **Jenkins** to integrate and deploy code on CI environments for development testing.
* Implemented Rest based web service using JAX-RS annotations, Jersey provider implementation.
* Integrated **ActiveMQ** and **spring JMS API** to send and receive message for the application’s Restful API.
* Developed the persistence layer using Hibernate Framework in hibernate files and created **DAO** and **POJO**.
* Experience in **NoSQL** database like **MongoDB** installation, configuration and in designing MongoDB multi-shared cluster and monitoring with **MMS**. Installed the **WebSphere MQ** and involved in configuring **MDB listeners**, **JMS resources**, and **queues** and integrating with the **WebSphere Application Server**. Configuring WebSphere Application Server on multiple platforms for both horizontal and vertical scaling for Workload Management.
* Experience in working with **NoSQL** Database like **MongoDB** to manage extremely large data sets.
* Used **log4j** to print the logging, debugging, warning, info statements. Implemented Selenium Web Drivers.
* Involved in setting up Test automation and developed cucumber feature files and used **Selenium** for automated testing.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system. Experience on **GIT** repositories.
* Developed internal application using **Angular 10** and **Node.JS** connecting to **Mongo DB** on the backend.

**Environment:HTML5, CSS3, Angular 10, Java/J2EE, Java 11, No SQL, Spring Boot, Spring, Spring Security, Restful Webservices, Microservices, GIT**, **JUnit, Jenkins, Mongo DB Test NG, Selenium,log4j,Scrum, Agile Methodology, Maven, AWS.**

**Client: United Health Group, Minneapolis, MN**

**Duration: June 2020- May 2021**

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

**Description:** Onboard provider is a web application, the main idea of this application is onboarding a provider in really quick by auto filling the users data and this data will be approved by credentialing API. User needs to provide a few details like billing address, place of service address and credentialing address to submit a request for the service. Once the provider submits RPF, the user will get a CR number to track the process.

**Responsibilities:**

* Accountable to Work in **Agile Methodology** (Daily Stand-up, Sprint Retrospective, Sprint Review, Planning& Grooming).
* Developed internal application using **Angular 9** and **Node.JS** connecting to **Mongo DB** on the backend.
* Used **NPM** for installing required node modules and other published **Angular NPM modules**.
* Built Angular Template for products using **Angular Material** and using **ng-repeat** to iterate the products list.
* Extensively used **Angular 9** to generate components, routes, services, pipes and to run tests.
* Developed **Angular 9** components, services, routes, authentication services by using **JWT, Http Interceptor**, etc.
* Used **Java8**features like stream and Lambda expressions. Worked on **Java8** along with Cold Fusion.
* Extensively used **Java8**features such as lambda expressions, Parallel operations on collections, multithreading.
* Used Streams of **Java8**to store and process the data and used Java design Patterns like **Spring Boot**, **Singleton**, etc.
* Recommend strategy for integrating internal security model into new projects with **Spring Security** and **Spring Boot**.
* Used **Spring IOC, AOP, Spring Boot**to implement middle tier. Created reusable components as **spring aspects**.
* Implemented   **Micro Services using Spring boot and enabled the discovery using Netflix eureka server**.
* Implemented **Spring Batch** framework for **Batch processing** that provides reusable functions in processing large Data.
* Used**Spring Boot** for building application with **Spring initializers** and bootstrapping the build configuration and develop custom solutions that act upon **Jenkins** information in authentic time.
* Worked with **KafkaCluster**using **ZooKeeper**. Developed Applications using **Rule Engines-Jboss Drools**4.x, **Workflows**.
* Containerized all the Ticketing related applications – **Spring Boot Java**applications using **Docker**.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker images to the AWS ECR.**
* Introducing pipeline and automation best practices, putting together **Docker** and **Kubernetes** on **AWS**
* Used **Jenkins** pipelines to drive all **Micro Services** builds out to the **Docker** registry and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes.** Used **GIT** for version control tool and **Spring Tool Suite (STS)** for **IDE**.
* Managed **Docker orchestration &containerization** using **Kubernetes** and used **Kubernetes** fordiscovery&registering.
* Develop and troubleshoot **REST** based **Micro Services** in Java and Enterprise Java/J2EE applications.
* Used Rest Controller in the Spring framework to create **RESTful Web services** and **JSON** for communication.
* Used robust Infrastructure to support development. Implemented **JWT token-based** authentication for the **REST API.**
* Worked on Rest Web services for backend services, used **MySQL** and **MongoDB** for database services.
* Hardly **focused** on **business to consumer (B2C)** which helps in fast rectifying & resolving solutions.
* Involved in **B2B** which enhances the work to get fast. Involved in **Compilation of B2C.**
* Primary focus on **CI/CD** to resolve the break.Used **JENKINS** to improve Continuous integration and Continuous delivery.
* Accountable to use **GIT** to control, track and maintain the different versions of the project.
* Used **Prometheus** to scrap the metrics of the application and **Grafana** used for the graphical representation of metrics. Used **Log4j** to print the logs in the **Rancher** and to store them in the **Splunk**.
* Accountable to Use Java unit testing frameworks like **Mockito** to serve code coverage extensively
* Working with Quality Assurance team in tracking and fixing bugs. Involved in all stages of testing namely **Unit Testing**, Functional testing, Performance testing, Integration testing, Regression testing and User Acceptance testing. Implemented integration tests using **TestNG** and functional testing using the **Selenium.**
* Implemented scheduled testing for services using **Java scripts** in **Run Scope**.
* Extensively monitor production and pre-production Logs to identify and troubleshoot the defects using **Rancher, Splunk** and **Dynatrace** for application performance.

**Environment:HTML5, CSS3, Angular 9,Java/J2EE, Java8,N1QL & SQL Queries, Spring Boot, Spring, Spring Security, Restful Webservices, Microservices, Spring Hystrix**, **Docker, GIT**, **JUnit, Jenkins, Mockito, Mongo DB Test NG, Selenium,log4j, PHP, Scrum, Agile Methodology, Jasmine, Maven, Kubernetes, Splunk, Rancher, Run Scope, AWS, Prometheus, Grafana, Dynatrace.**

**Client: Tracfone Wireless, Miami, FL**

**Duration: Sept 2018-May 2020**

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

**Description:** Worked on developing total 3 applications based on miscellaneous payments and refunds. These three are critical business applications used for their internal purposes. One among the application is TOPS which is having four sub applications called MCA (Miscellaneous cash application), CBA(Credit Balance Application),CMA (Cross Market Application) and POS201(Point of sale application) and another one is remittance which is re-write of the legacy application from.net to java it is based on the errors in payments which came from different vendors. And the other application is Wire card refunds which is based on refunding a payment to customer on a different criterion.

**Responsibilities:**

* Practiced **Agile** software development through **TDD**, continuous integration, stand-up m
* Worked on retirement features like Individual Retirement Account (IRA) **Roth** and **401(K)**.
* Implemented the user interface using the **JavaScript, JSP, AJAX, Angular 6, HTML5, CSS** and **Bootstrap.**
* Worked with BA to functionally decompose business capabilities into a set of discrete **microservices**.
* Designed logging information using **JUnit** and developed mobile app using **Java EE/JAX-RS** and **IBM Mobile First** and **N-Tier J2EE** application that can rapidly and accurately identify relevant documents in collections.
* The front end was created with **Bootstrap** and **High charts** library, data was dynamically retrieved in **JSON** format.
* Used **JavaScript**, **AJAX**, **jQuery** for front end user input validations and **RESTful** web service calls.Used **JSF** framework.
* Worked with the Spring Hibernate Integration to maximize classical **MVC** layer Architecture.
* Implemented **Spring MVC** application framework to create and configure of java beans using **Spring IoC,** also used **Spring Hibernate** support and transaction management.
* Implemented **Spring Batch**for **Batch processing** that provides reusable functions to be used in large volume records.
* Involved in design and development of server-side layer using **XML, XSD, SOAP, JAXB, JDBC, JMS, JDK, JNDI, EJB.**
* Using **SOAP** and **RESTful Web Services** to retrieve provider's data. Used **SoapUI** to test the web services.
* Involved in coding the components in **PlayAkka** and **Hadoop cluster** task like commissioning &decommissioning.
* Implemented **Struts 1.2 Framework** with **EJB 3.0** classes as Model which is interconnected with database.
* Designed and created **DAO** using data modelling in the integration layer.
* Used **JPA** annotations to map **ORM** entities and Java Collections API extensively in the application.
* Developed all hibernate classes using **Hibernate** framework writing the **HQL, DB Schema** and **PL/SQL**.
* Used **AmazonS3** for multipart upload of data and to host static web content in **AWS Cloud**.
* Performed system monitoring using **Nagios** and **CloudWatch** in AWS Cloud.Involved in **Swing, JDBC** with **Oracle 11g**.
* Performed **Oracle 11gRDBMS** installation, upgrade, and configuration, and backup, recovery, archiving and purging.
* Worked on **Microservices** for Continuous Delivery environment using Docker and Jenkins.
* Modeling the database schema, creating tables, views, writing Stored Procedures and Queries using Joins in **SQL**.
* Configured **JMS** in the **WebSphere** Application Server to send messages on the queue.
* Implemented the application using the concrete principles laid down by several design patterns such as Composite View, Session Facade, Business Delegate, Bean Factory, Singleton, Data Access Object, and Service Locator.
* Developed **Build Scripts** using **Maven** and used **GitHub** for source control.
* Deployed application on **JBoss** Application Server and written **ANT build scripts** and **JUnit Test Cases**.
* Configured **LDAP Server** to authenticate users and implemented both object level and data level security.
* Followed best practices like Change Management, Release management, Defect management with tools like arm tool **(Jenkins), HP Quality Center.**Meetings and close interaction with business owners.

**Environment: HTML5, CSS, Bootstrap, Angular6, NodeJS, AWS Cloud, Spring Core, Spring MVC, Hibernate, Web Services, JUnit, Mockito, XML, Eclipse IDE, Apache Maven, Oracle 11g.**

**Client: Catholic Health, Park Rapid, MN**

**Duration: Aug 2016 – Aug 2018**

**Role: Java/J2EE Developer**

**Description:** Payment Management is a browser-based web application that helps billing staff and managers quickly identify and correct problems that lead to denials and lost revenue. Benefits include faster communication of payment notification/receipt, faster account reconciliation through electronic posting, automation of follow-up action, paperwork reduction and improved efficiencies. Payment Management permits billing personnel to Search, View, and Print Electronic Remittance Advice (ERAs) used for secondary billing.

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development and testing of the entire application.
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, React JS**, and **Bootstrap**.
* With the concept of **React JS** worked on usage metrics and also e2e events tracing for analysis purpose.
* Experience in using **React JS components, Forms, Events, Keys, Router, Animations** and **Redux concepts**.
* Enhance and modify the presentation layer and **GUI** framework that are written using **JSP** and client-side validations done using **JavaScript**.Expertise in **React JS** framework to develop the SPA.
* Spring **AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.Used **Log4j** logging mechanism for logging.
* Asynchronous messaging is done using **JMS** and created Queue for point-to-point messaging.
* Implemented the back-end functionality of the modules using **Singleton**, **Session Facade** design patterns.
* Implemented **Spring MVC** controllers, configured using Spring **MVC** annotations and configuration files.
* Implemented spring framework Bean Factory & Application Context for initialization &configurations.
* Developed **REST** web services using **Spring MVC** to extract client related data from database and used **SOAP UI**.
* Implemented Service Oriented Architecture by developing, consuming **RESTFUL** service based on **JAX-RS.**
* Implemented Java Classes to use **JAXP** parser to create Java objects and able to modify the data received.
* Used **Hibernate** as an **ORM** tool to interact with the database.Deployed the application on **Apache Tomcat**server.
* Involved in development of **POJO** classes and writing **Hibernate query language (HQL)** queries.
* Resolving spring framework artefacts and code build & deployment with **Maven**.
* Used **JIRA** for defect and issuetracking and Used Jenkins for continuous integration/continuous deployment.
* Worked with **DB2** and used **SQL** Queries, stored Procedures, triggers, & integrated **SQL** Queries into **DAO**.

**Environment: HTML, CSS, JavaScript, React JS, Java 6, J2EE, Spring MVC 3.0, Hibernate 3.0, JMS, SOAP, Axis2, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat 6.0.**

**Client: Sum Total Systems**

**Duration: June 2015 – July 2016**

**Role: Java/ J2EE Developer**

**Description:** SumTotal Systems Inc is a software company that provides human resource management software and services to private and public-sector organizations. This project was involved in system study, development, and implementation of the project.

**Responsibilities:**

* Involved in the requirements gathering Design, Development, Unit testing and Bug fixing.
* Developed the user interface using **JavaScript, CSS and JSP’s.**
* Worked with core Java **Collections**, **Serialization**, **Generics**, **Annotations** and **Exception Handling** to implement back-end business logic including **Entity Beans** and **Session Beans**.
* Developed custom tags for implementing logic in JSP’s. Used custom tags to display logic specific data.
* Used Java **script, jQuery, JSTL, CSS and Struts 2 tags** for developing the JSP’S.
* Used **JMS API** for asynchronous communication by putting the messages in the message queue.
* Exposed and consumed **SOAP** based **Web Services** to communicate between systems.
* Used **Spring IOC** for injecting the beans and **Hibernate**for connecting to the database.
* Involved in making release builds for deploying the application for test environments.
* Used **Eclipse** as IDE and Created **JUnit** test cases for unit testing application.
* Used **JBOSS** as server and used **Maven** to build the applicationUsed **SQL** to update and create database tables.

**Environment: J2EE, Java, Struts, JSP, JNDI, SOAP, Spring, Hibernate, JavaScript, JMS, Maven, JUnit, JBOSS**