Name: **Kumar**

**Software Developer**

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**PROFESSIONAL SUMMARY:**

* Around **8 years** of experience in Object-Oriented Design/Analysis (**OOD/OOA**), **Java** development, Web Services for Service-Oriented Architecture (**SOA**), data modeling, **Micro Services**, **AWS** technologies, and skilled at progressing from problem statement to well-documented designs and code in various Domains and Platforms.
* Experience in multi-tiered distributed environment, **OOAD** concepts, a good understanding of Software Development Lifecycle (**SDLC**), and familiarity of Service-Oriented Architecture (**SOA**).
* Expertise in developing an application using MVC frameworks like **Spring, Spring Boot,** **Spring IOC**, Spring MVC, Spring Security, Spring AOP, **Spring JDBC, Struts**. ORM experience with **Hibernate/JPA**.
* Experienced with developing rich user interface applications using **HTML5**, **CSS3** and JavaScript, JQuery, **Angular JS**, **Node JS**, **React JS**, JQuery Mobile, XML, **JSON** that follows W3C Web Standards and are browser compatible.
* Experience in Java **Multi-Threading**, **Collections**, **Interfaces**, **Synchronization**, **Exception Handling**.
* Experience in working with Relational Database (RDBMS) concepts, database designing, Normalization, PL/ SQL, Stored Procedures, Triggers and extensively worked with SQL Server, Oracle, and MySQL.
* Expertise in creating complex **SQL Queries** and SQL tuning, writing **PL/SQL** blocks like stored procedures, Functions, Cursors, Index, triggers, and packages.
* Exposure in configuring and deploying JavaEE applications using web servers like **Apache Tomcat** 5.x/6.x/7.x/8.x and application servers like **IBM Web Sphere**4.x/5.x/6.x, **JBoss**3.x/4.2, and **Web logic**11g**.**
* Experience in **AWS,** Monitoring and deploying load balances of the various EC2 instance, improved login authentication of users by configuring the AWS Identity and Access Management.
* Expert level skills in development of **Restful** web services using JAX-RS, CXF, and JERSEY implementation and **SOAP** web services using WSDL, SOAP, JAXB.
* Experience in using different IDEs for **Java/J2EE** application development like **Eclipse**, **NetBeans**, **JBuilder**, **Rational Application Developer (RAD).**
* Providing technical support to Business Owners during implementation of new products and services and provide subject matter expertise for support escalations.
* Proficient with IDEs like **Eclipse, Spring Tool Suite**, **Visual Studio Code**, **IntelliJ**, Sublime Text.
* Self-Motivated decision-maker with Excellent written, verbal communication and good presentation skills. Capable of quickly learning and implementing new technologies and methodologies.

**Skills:**

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| **Platforms** | Windows XP/7, UNIX, Linux Ubuntu/Red Hat |
| **Java Technologies** | JDK 1.6/1.7/1.8, J2EE, Servlets, Spring Framework, Hibernate, SOAP, EJB3, JDBC and JSP. |
| **Frameworks** | Spring, Spring Boot, Spring-Data, Spring JDBC, Hibernate, Spring Core, Spring ORM, Spring MVC, Spring AOP, Struts |
| **Web Technologies** | HTML, CSS, JavaScript, Node JS, XML/XSL, DTD & XML Schema, JSON, WSDL |
| **Middleware** | J2EE Application Server (AS), and Apache Tomcat 6/7, WebSphere AS, JBOSS AS/EAP, web logic. |
| **RDBMS** | PL/SQL, Oracle 11g/12c, Oracle SQL |
| **Build Tools** | Ant, Maven and Gradle |
| **Source Controllers** | SVN, CVS, GIT, ClearCase |
| **Software Tools and Libraries** | Eclipse, IntelliJ, SQL Developer, JBoss Developer Studio, SOAP UI, , Jira Issue tracking tool. |

**PROFESSIONAL EXPERIENCE**

**Dallas Area Rapid Transit, Dallas, TX March 2021 – Till Date**

This project is a Big Data analytics services for fixed route Real Time arrival predictions and historical analysis of service delivery. The project of DART operates 156 fixed route services with 539 buses and 57 rails during the weekday peak hours.

The project is a web-based SaaS service which will serve one Commuter Rail service, four Light Rail transit routes, one Streetcar route, 151 bus routes and specific shuttle services. This reporting platform project was architected to maintain 99.08% up time and also to continuously monitor the system for availability and provide a monthly uptime report depicting any periods of time in which the system was not available.

**Role: J2EE Developer**

**Responsibilities:**

* Worked work closely with the back-end development team to understand the business requirements around existing and future functionality of the reporting platform.
* Extensively worked on **HTML5**, **CSS**, **JavaScript, Java, JSP** to develop and improve the look and feel of the application.
* Collaborated with the back-end development team to help with the **Restful Design** to build **the RESTful Web APIs**.
* Designed, developed, and deployed data visualizations, interactive dashboards, and user interface Solutions.
* Implemented JavaScript libraries such as **Bootstrap**, **jQuery** to increase the code re-usability.
* Worked with interactive **Map/ GIS libraries** like **Leaflet, Map box**, and **Open Layers**.
* Developed and implemented **AJAX** to call the **REST API** methods and connect to the backend and wrote in such a way that Restful web services have been used to retrieve and update the data using this AJAX.
* Worked with **Data Visualization Libraries** such as **Chart.js**, **Google Charts**, and **D3.js**.
* Used **Agile** methodology, attended **Sprint planning**, **and Sprint Retrospective** sessions.
* Actively involved in sprint meetings with team members to define and analyze development requirements and contributed development work breakdowns and estimates.
* Made Recommendations towards the development of the new code or reuse existing code to reduce the time and efficiently manage the project’s budget.
* Implemented new visualization for the existing Historical Report Pages by using existing plug-ins.
* Recommended new technologies and methodologies to management for meeting business needs, resolved problems and explored opportunities to implement when ever possible.
* Provided technical advice and assisted in solving programming problems.

**Environment:** HTML5, CSS, JavaScript, Java, JSP**,** AJAX, IntelliJ, REST, Bootstrap, jQuery, Chart.js, Google Charts, D3.js, Leaflet, Map box, and Open Layers.

**Acosta Insurance, Elkhart, IN Sep 2019 – March 2021**

**Project: eAgent – eAuto**

**Project: eAgent – eAuto**

This application provides a web-based interface to the existing policy processing systems. Its central goal is to deliver a thin rich interactive layer between agents and the existing applications by building web presentation. The design and functionalities are scalable to support the entire region. eAgent Application is a group of applications catering to the needs of Agents and Employees. eAuto is one of the applications in eAgent, which is a web-based interface to the Auto policy processing systems. eAuto application is a system, which interacts with different vendors to get accurate information for premium processing.

**Role: Software Developer**

**Responsibilities:**

* Followed **Agile methodology** to iterate quickly on product changes, developing user stories, and working through backlog, used **JIRA** to record and monitor the stories and backlogs.
* Utilized SpringBoot services in combination with React as a front end to form a Microservice Oriented application.
* Applied the advantages of Spring Core container to develop the applications loosely coupled and used Spring MVC to create independency in presentation layers from the business layers.
* Experience in using **React JS** components, Forms, Events, Keys, Router, plus Redux, Animations, and Flux concept.
* Developed Custom Reusable **React Components Library** and interactive UI's using One-way data flow, Virtual **DOM**, JSX, React Native concepts.
* Designed and developed Microservices business components using SpringBoot.
* Implemented React JS code to handle cross-browser compatibility issues in chrome, IE 7, 8, 9, Safari, and FF.
* Configured **Swagger-UI** for the API testing and documentation.
* Involved in software coding, testing, and debugging for web presentation layer using **HTML** and **CSS**.
* Performed Continuous Integration and **Continuous Deployment** (CI/CD) using **Jenkins** and **Dockers**.
* Created new features to sustain & amend existing applications under **MVC** pattern using **Node JS**, and **Bootstrap**.
* Expertise in React JS framework and integrate them to **Node JS** server-side code.
* Used **Java 8** features like **Lambda expressions** and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
* Created **sequence diagrams, collaboration diagrams, class diagrams**, **use cases,** and **activity diagrams** using **Rational Rose** for the Configuration, Cache & logging Services**.**
* Secured APIs/web applications using **OAuth2** provider KeyCloak and **Spring Security**.
* Developed **Spring REST** controllers to serve data in **XML and JSON** format and configured application using **Maven**.
* Worked with **npm** commands and using package. json to manage dependencies of **Node JS** applications.
* Deployed application into **Docker** container and monitored on **GitHub**.
* Worked on DAO's to pull data from source DB’s & converted into JSON formats and then published into Kafka Streams.
* Worked on Swagger, REST with JSON to test data, and Postman to test Web Services & Documentation of the Web API.
* Used XML, XSD, XPath, and JAXB for message transformations and mappings.
* Used Maven to build and deploy web applications into **WebSphere &** configured dependency plug-ins and resources.
* Used **Log4J** for logging and tracing the messages.
* Wrote **JUnit** test cases for each line of the application code and performed validation.

**Environment:**  J2EE, SpringBoot, Log4j, XML, Angular 6, Typescript, Angular-CLI, Node-JS, Webpack, Jasmine, Karma, Restful, RabbitMQ, Tomcat, JQuery, JSON, JAX-RS, Linux, Maven, AWS, Cloud, PL/SQL, Oracle 12c, Toad.

**Sugar River Bank, Newport, NH May 2018 – Aug 2019**

**Project: IBanking**

This project provides all the screens to the customers to log in and view all their account information, make fund transfers, apply for a loan, etc. It Provides a back-office application for the bankers to view and process customer requests, loan applications, updating customer information, etc. It can store the user login details, contact information, transactions & activity logs. All the account-related information is fetched, updated from the Core Banking.

**Role: J2EE Developer**

**Responsibilities:**

* Actively involved in designing the outline of project, understanding of business necessities, and interacted with the team members to understand the requirements for the project.
* Used **AGILE SDLC** methodology with scrum as a framework for requirement gathering, Analysis, Design, Development, Testing the application while upgrading the project.
* Developed Business logic with **Spring MVC** framework and mapping using **Spring DAO** framework.
* Involved in implementing Microservices using Spring Boot, Changing from Monolithic to Microservices architecture
* Developed UI pages with **JSP, Spring MVC, HTML5, CSS3, JavaScript, JQuery, Node JS** and used **BootStrap** to create Responsive Web pages.
* Design and Coding of various JAVA, J2EE modules like Spring Boot, Spring MVC, Spring Rest, JPA, Hibernate, MySQL.
* Expertise in **React JS** framework to develop the SPA and working with React Flux architecture.
* Experienced in working with **Redux** architecture using Object-Oriented concepts to improve website performance.
* Developed RESTful web services using Java, Spring Boot.
* Performed database and code migrations for **SQL**, and tracked the requests within internal SharePoint Workflows.
* Managed multiple **Microsoft SQL** Server databases on large systems for both the production and development environments.
* Involved in developing & exposing web services and consumption of web services like SOAP, RESTFUL Web services.
* Created set of classes using **DAO** pattern to decouple the business logic and data.
* Conducted simultaneous queries and retrievals using Java Multi-Threading techniques. Involved in developing components on Reporting Dashboard with Spring MVC, Spring Framework and Hibernate.
* Used Spring Security for implementing the authentication, authorization, and access-control features.
* Used JProfiler to identify memory leaks in the application
* Consumed Restful Web Services using Spring REST template & used JProfiler to identify memory leaks in application.
* Used **GIT** as source control management giving a huge speed advantage on centralized systems that communicate with server and **NEXUS** as Jar Repository Tool.
* Used **JIRA** Tool for Bug, issue Tracking, and also to assign tasks among the team members in the **Agile** Board
* Created JUnit test cases, and Development of JUnit classes.
* Implemented test cases with **JUnit** and TestNG using Mockito.
* Implemented the logging mechanism using the **Log4j** framework
* Developed **Maven** script to build .war and .ear files for the application.

**Environment:** J2EE, JSP, Spring MVC, Hibernate, MySQL Server database, SpringBoot, Spring DAO, Spring IOC, AWS, HTML5, JSP, CSS, Node JS, jQuery, JavaScript, JSON, AJAX, XML, Eclipse IDE, GIT, SOAP UI, Postman, WebSphere Application Server, Junit, Log4j, TestNG, Mockito, JIRA, Jenkins, MAVEN, JProfiler.

**Urban Outfitters, Philadelphia, PA May 2017 – Apr 2018**

This project was an Ecommerce web-based application that allowed the customer to get a view of all the products in the store and buy them online. The application mainly dealt with online payment and billings. It provides a search feature that uses Regular Expression or pattern matching with a user interface called a Search box through which consumers can access and view the latest and top-selling products/offers. It uses the Secure Good payment Gateway solution for customers to make a payment. This e-commerce project involves automating scripts and testing the web and mobile applications starting from adding Items to CART until Checkout and Order processing.

**Role: J2EE Developer**

**Responsibilities:**

* Involved in business requirement gathering, converted them to detailed design and clarification documents.
* Implemented J2EE design patterns such as **Session Facade, Factory, DAO,** and **DTO.**
* Worked on **Spring Security** and **Spring MVC** frameworks and Hibernate ORM framework.
* Used **SQL queries** in Java code to perform **CRUD** operations depending upon the business necessity.
* Developed **DAO's, java** objects and used Hibernate as part of the persistence layer.
* Used spring framework to inject the **DAO** and Bean objects, **auto-wiring** the components.
* Utilized Hibernate framework in conjunction with spring functionality to implement Object-relation mapping in the persistence layer.
* Implemented binary upload of media files using **HTML5**, JavaScript, AWS, and vendor Rest APIs for HTML5 revamp of the upload functionality to deliver a simple, rich, and easy to use.
* Implemented **SOA** Microservices architecture with Web Services using **SOAP, WSDL, XML, and Spring Boot**.
* Developed web-services to transfer data from client to server & vice versa using **Apache Axis, SOAP, and WSDL.**
* Developed **LDAP** server configuration file to enable encryption support for password storage.
* Worked with **XML schema, XSL/XSLT, XML** to navigate in XML documents, DOM4J to process and parse XML files.
* Used **Test-Driven Development methodology** (TDD) to grow software capability and refractor into well-designed maintainable software.

**Environment:** Java, J2EE, JSP, SQL, HQL, HTML, CSS, AJAX, JavaScript, JQuery, Spring, Spring IOC, Hibernate, LDAP, XML, Node JS, WebLogic, Eclipse, CVS, SOAP, Soap-UI 4.6, Pl/SQL, Oracle 11g, JUnit, Log4J, JMeter, Jprofiler.

**H-Line Soft Information Technology Pvt Ltd, Hyderabad, India Jan 2015 – Aug 2016**

This project is to provide a facility to the clients to get Invoices for Reports, Billing information, Customer Service, and Survey. And, provided the facility to schedule an appointment, cancel an appointment, finding the locations & the FAQs.

**Role: J2EE Developer**

**Responsibilities:**

* Designed and developed Business Services using Spring Framework (Dependency Injection) & DAO Design Patterns.
* Reviewed business requirements and discuss with application architect about the design.
* Responsible to develop java components using **Spring, Spring JDBC**, **Spring Transaction Management.**
* Created and Implemented **Microservices** or **REST APIS** using **Spring Boot,** **REST, JSON.**
* Used **Spring JDBC** in the persistence layer that is capable of handling high-volume transactions.
* Implemented the service layer using **Spring** with the transaction and logging interceptors.
* Used **Spring framework** for middle-tier and **Spring-JDBC** templates for data access.
* Implemented **Spring Cloud** to write the routing logic and to call different services.
* Participated in discussion with business analysts and analyzed the feasibility of the requirements.
* Created new tables, Sequences, and written **SQL queries** and **PL/SQL** in **Oracle.**
* Developed service layer by using **Spring MVC** and User interface using **JSF, JSP, HTML, JavaScript** and **CSS, Ajax**.
* Utilized **Agile** Methodologies to manage full life-cycle development of the project.
* Implemented **MVC** design pattern using Spring Framework.
* Used **AWS** resources like EC2, S3, RDS, CloudWatch and, CloudFront to promote code in various environments.
* Used **Maven** and configured Jenkins to build and deploy the application.

**Environment:** Java, Eclipse, Spring MVC, Web services, Microservices, Agile Methodology, SQL, PL/SQL, JSP, Apache Tomcat, HTML, JavaScript, JDBC, XML, UML, JUnit, log4j, GIT and Maven.

**VSigma IT Labs Pvt Ltd, Hyderabad, India June 2013 – Dec 2014**

**Responsibilities:**

**Role: Java Developer**

* Involved in gathering requirements, system designing, programming, testing, and implementing.
* Communication with the Product team for gathering business requirements.
* Developed user interface using **JSPs**, **HTML,** and **CSS**.
* Extensively used **AJAX** to make backend calls that return **JSON** response and render the web page using **JQUERY**.
* Worked on Multi-threading and thread pool design pattern.
* Designed and developed the Data access layer using **Spring**-Hibernate integration.
* Designed and implemented business logic using **Spring** and Hibernate frameworks.
* Implemented **Hibernate** DAO layer to interact with **Oracle** database.
* Used HQL and **SQL** for fetching and storing data in databases.
* Involved in writing complex **SQL** queries and stored procedures with the data team.
* Used **jQuery** UI widgets to create date pickers, dropdown/select menus, and tabs.
* Used **GIT** for source repository and **JIRA** for bug tracking.

**Environment:** Java, Eclipse, Spring MVC, Linux, Microservices, Agile Methodology, SQL, JSP, Apache Tomcat, HTML, GIT, Maven, JavaScript, JDBC, XML, and WildFly.