**Sumanth Kumar**

**Sr. Java Developer**

**PROFESSIONAL SUMMARY:**

* 9+ years of experience in Systems Analysis, Design, Development and Implementation of Web Client/Server and Enterprise Application development using J2EEFramework, spring framework, micro services, Kafka streaming, Cassandra, MongoDb and Couchbase NoSql data base modeling, working on Java 8 features like streams, functional programming.
* Strong experience with Microservices, Web Services, HTTP Methods and RESTful; Web Services Architecture as RESTful (using JAX-RS) and SOAP (using JAX-WS), SOA (Services Oriented Architecture), WSDL and UDDI.
* Extensively worked on n-tier architecture systems using CoreJava, JDBC, Servlets, JSP, EJB, JMS, Web services, Restful Web Services, Spring, Spring boot, Struts MVC, JSF, and Hibernate.
* In depth knowledge on core java concepts such as OOPS, Collections, Exception handling, Multi-Threading, Execution services, concurrent utilities, File IO, Garbage Collection and Serialization, design and development of various web and enterprise-level applications using J2EE technologies JDBCand JMS.
* Strong experience with Web Services, HTTP/HTTPs and RESTful; Web Services Architecture as RESTful (using JAX-RS) and SOAP (using JAX-WS), SOA (Services Oriented Architecture), WSDL and UDDI. Extensive Experience with Web Services, HTTP/HTTPs and RESTful, familiar with SOAP (using JAX-WS), SOA (Services Oriented Architecture), WSDL and UDDI.
* Experience working with Web MVC Architecture Frameworks includesSpring 3.0 (Dependency Injection, Data Access Objects, and MVC Framework), knowledge in using spring modules like Spring Core, Spring DAO and Spring AOP, Spring MVC, Expertise with Spring Framework using components like MVC, Transactions, ORM and JDBC. Also used Hibernate ORMframeworks.
* Experience in integrating the internal security model with Spring Security and Spring Boot, Implemented transaction management using Spring declarative transaction management with Spring AOP, microservices registration and discovery with Spring Cloud and Netflix’s Eureka. Developed Restful webservice using Spring Boot and deployed to pivotal cloud services.
* Experience in server-side messaging using Camel and JMS (ActiveMQ, RabbitMQ) and experience in SOAP Web Services, JAX-WS,JAX-RS, JAXB, UDDI, WSDL,SOA, AJAX, RMI,JNDI and RESTFUL web services using Spring boot, Spring RESTFUL template, JPA, Cloud foundry.
* Expertise in databases such as Oracle, MySQL, SQL Server, NoSQL, MongoDB, Cassandra and Couchbase databases to manage tables, views, indexes, sequences, stored procedures, functions, triggers and packages.
* Expertise in open source framework Object Relational Mapping (ORM) tools like Hibernate 3.0 and also used Hibernate Annotations to reduce time at the configuration level.
* Rich experience with AngularJS Expressions, AngularJS directives like ng-app, ng-controller, ng-model, ng-repeat, ng-src, ng-include, ng-href and AngularJS Filters such as date, currency, limit To, and order by filters to transform data. Created modules, used modules to create controllers, routes, factories and services.
* Worked with AWS services such as CloudFormation, CloudWatch, CloudTrail, AWS Config, S3, EC2, RDS, VPC, IAM and KMS. cloud service provider(s) and experience in building modern distributed applications or micro services. Scripting & workflows using CloudFormation/Terraform, Ruby & Python, JSON, YAML, Docker and other Cloud Container platforms (AWS ECS) and tooling like Kubernetes.
* Experience in container orchestrations docker and sound knowledge of Kubernetes. Creating Docker containers and integrating with Jenkins pipelining.
* Good Work experience on various IDE's like Eclipse, My Eclipse,NetBeans and Spring Tool Suite (STS). Good experience in using version control tools like CVS, GitHub and SVN.
* Experienced with Project Deployment, and Management Tools Apache Maven, Gradle and Ant.
* Experience in using Log4j, writing JUnit test cases and used Clear Quest, JMeter, Jira, Bugzilla for bug tracking, Jasper reports generation and configuring Swagger UI
* Experience in using Source Code Management Tools as GIT, GITHUB, MAVEN, BitBucket, SVN (Subversion) for easy maintenance of code at various stage of development. Used Application Deployment, DevOps and Continuous Integration Tools like Jenkins and Bamboo, familiar with Release Management and Team Collaboration Tools like JIRA and Stash, rich experience with Build Automation and Package Management Tools like Maven and Gradle
* Experience in Front-End UI development skills using scripting languages like **HTML5, DHTML, CSS, JavaScript, JSON, AJAX, Angular 2+, Bootstrap** and **JSTL.**
* Experienced in full Software Development Life Cycle - **SDLC** processes such as Requirement Analysis, Design, Development, Testing, Implementation and Maintenance.
* Experience in using **UML** - Use Case Diagrams, Sequence Diagrams, Class Diagrams and State Diagrams.
* Well versed in using software development methodologies like **Waterfall, Agile (SCRUM)**, **Test Driven Development** and **Service oriented** architecture.

**TOOLS & TECHNOLOGIES:**

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| **Programming Languages** | JAVA8, SQL, PL/SQL, CQL, C, C++, JavaScript, CSS. |
| **J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JNDI, JMS, Java Beans, JPA, Spring, Hibernate, DI, Swagger, Log4j, Spring 4.0, Spring Security 4.0.2, JEE Design Patterns. |
| **Web Technologies** | HTML, DHTML, Angular6+, XML, XSLT, CSS, JSON, AJAX, Bootstrap and JSTL. |
| **Application/Web Server** | IBM WebSphere,Liberty Profile, Oracle WebLogic, Apache Tomcat. |
| **XML Technologies** | XML, XSLT, SAX, DOM, XSD, XSL. |
| **Web Services** | SOAP, REST, JAX-WS, JAX-RPC, JAX-RS, WSDL, UDDI, JAX-B. |
| **Application Frameworks** | Springframework (Dependency Injection, Spring MVC, Factory Pattern, Core, Spring Context, Spring DAO, Spring IOC, Spring JDBC, Spring Security, Spring Boot, Spring Batch, Spring with Hibernate), Struts |
| **ORM Frameworks** | JPA, Hibernate, Spring JPA, DAO |
| **Cloud Computing** | AWS (Amazon Web Services), EC2, RDS, S3, RDS, EBS, Elastic Load Balancer, Lambda |
| **Microservices** | Pivotal Cloud Foundry, Spring MicroServices, Springboot, Netflix Eureka. |
| **Databases** | Oracle, SQL, MySQL, MongoDB, Cassandra, Couchbase, Solr. |
| **IDE** | Eclipse, MyEclipse, NetBeans, Spring Tool Suite (STS). |
| **Version Control** | SVN (Apache Subversion), CVS and GitHub. |
| **Other Tools** | ANT, Maven, Log4j, Jenkins, Junit, JIRA, Selenium, Jasper, Morphlines, Airflow |
| **Methodologies** | Agile, Waterfall, SCRUM, Rapid Application Development, TDD, Iterative. |

**PROFESSIONAL EXPERIENCE:**

**Client: P.S.Technologies Mar 2019 – Present**

**Location: Superior, CO.**

**Role: Lead Consultant**

**Description:**P.S. Technologies is a client-centric IT solutions provider with expertise in consulting, outsourcing and systems integration of MIS, CRM, ERP, Content Management and Web development solutions. It empowers world class web applications that automate business operations. Our sophisticated webbased approach changes the application development.

**Roles and Responsibilities**:

* Used microservices architecture, with Spring Boot-based services.
* Used DI feature of Spring framework to inject dependency and to wire objects of business classes.
* Used a microservice architecture, with Spring Boot-based services interacting through a combination of REST and Kafka message broker.
* Worked on the event driven architecture to separately maintain all the different type of events in the same platform.
* Worked on Spring components like spring data, spring security, spring MVC.
* Used Spring Boot (application.properties) to create the database connections.
* Implemented master-slave architecture to run the scheduler in multiple instances and in multiple data centers.
* Unit tested the developed code using Junit and Mockito frameworks.
* Developed XML function SQLqueries for retrieving the data from the database in the process of migration.
* Used wiki and rally to keep track of bugs and stories.
* Worked on Cassandra as a Service offered with PCF to do all the high-volume transactions.
* Implement Continuous Integration using Jenkinswhich includes building, deploying and testing micro services on various PCF environments via pipelines.
* Developed the AWS Lambda functions, configured the log stream to elastic search through the AWS cloudwatch.
* Integrated Jenkins pipelines with GIT to trigger the build on GIT commit.
* Generated Jasper Reports with Intellij and Netbeans IDE plugins.
* Develop Swagger API for micro services and provide them to end users for service definitions.
* Developed unit test cases to test business scenarios associated with each use case sequences.

**Environment:**Java8, J2EE, Web-Services, microservices, Netflix OSS, Spring (Dependency Injection, AOP), Spring Boot, Spring MVC, JAX-B, Oracle 12g, SQL, Jenkins, PCF, Swagger, Log4j, JUnit, JIRA, IntelliJ, Netbeans.

**Client: O.S.F Foundations Sep 2015 – Nov 2019**

**Location: Old Bridge, NJ.**

**Role: Lead Java Developer**

**Description:**Billing Services is the billing system supported by sync pieces between cloud customer portal and service layer of Billing Services. SL (Restful API) is built to transfer all the communication from and to BRM which is source of truth for entire billing system. Some sync pieces include Account Status Update Process (ASUP), Billing Account Creation process (BCUP), Customer Information Update Process (CIUP) to state few. All these sync pieces are designed to synchronize various customer feeds with BRM.

**Roles and Responsibilities**:

* Used microservice architecture, with Spring Boot-based services.
* Designed and Developed Request, Response XML schemas (XSD) for the Module which are part of SOAP request and response.
* Design and reviewed single page application using AngularJS 1.6 for Administration dashboard.
* Used DI feature of Spring framework to inject dependency and to wire objects of business classes.
* Used a microservice architecture, with Spring Boot-based services interacting through a combination of RESTand Kafka message broker and SQS.
* Worked on spring data frameworks like spring data JDBC, spring data Mongo.
* Worked on the event driven architecture to separately maintain all the different type of events in the same platform.
* Implemented OAuth2 Authentication server for the application to interact securely.
* Worked on integrating the restful webservices and implemented the retry on failure.
* Used MongoDbNoSql database, as a cluster of multiple nodes to achieve high availability.
* Used Springcloud(application.properties) to create the database connections.
* Worked independently and extensively on the Pentaho ETL tool in the database migration process.
* Developed XML function SQLqueries for retrieving the data from the database in the process of migration.
* Used wiki and rally to keep track of bugs and stories.
* Couchbase servers are installed on top of docker to utilize the resources of the system most effectively.
* Implement Continuous Integration using GoCD which includes building, deploying and testing micro services on various PCF environments via pipelines.
* Integrated GoCD pipelines with GIT to trigger the build on GIT commit.
* Develop Swagger API for micro services and provide them to end users for service definitions.
* Developed unit test cases to test business scenarios associated with each use case sequences.

**Environment:**Java8, J2EE, Web-Services, microservices, Netflix OSS, Spring (Dependency Injection, AOP), Spring Boot, Spring MVC, JAX-B, Oracle 12g, SQL,Couchbase, Pentaho, GoCD, Docker,JavaScript,PCF, Swagger, Log4j, JUnit, JIRA, STS, Windows XP.

**Client: Indusind Bank Mar 2013 – Apr 2015**

**Location: Chennai, INDIA.**

**Role: Java/J2EE Developer**

**Description:**Indusind bank online; credit cards, mortgages, commercial banking, auto loans, investing & retirement planning, checking and business banking. Worked for Credit Card **Slice-it** which is similar to ICICI Premium Membership cards.

 **Responsibilities:**

* Worked as senior java developer at Rackspace developing Billing Services API
* Involved in all phases of the Software development life cycle (SDLC) using Agile Methodology.
* Developed Use Case Diagrams, Object Diagrams and Class Diagrams in UML.
* Used AJAXApi for intensive user operations and client-side validations.
* Developed the application using JSF, MVC Framework.
* Spring Boot-based services interacting of REST.
* Involved in writing Spring Configuration XML file that contains declarations and another dependent objects declaration.
* Developed user interface using JSP, JSP Tag libraries and Java Script to simplify the complexities of the application.
* Implemented Micro-services using Pivotal Cloud Foundry platform build upon Spring Boot Servicesand ActiveMQ message broker.
* Designed and developed model layer of database operations using Hibernate JPA based approach for databasecommunication with Oracle Database.
* Used Hibernate with annotation-based approach for configuring beans to be mapped with the database tables.
* Used Spring framework for dependency injection and integrated with Hibernate
* Worked with Spring Aspect Oriented Programming (AOP) for implementing common functionalities like triggeringfirst level validation for Restful service layer.
* Worked with Core design patterns and performed Object Oriented Analysis and Design (OOAD).
* Followed Agile Software development methodology, test driven development methodology.
* Used Maven to build and running the unit tests with continuous integration tool Jenkins.
* Worked with GitHub version controlling system performing operations like pull requests, branch merging.

**Environment**:Java, J2EE, Hibernate, SQL, PL/SQL, Spring Batch, Spring web services, Spring core, Spring JPA, Spring AOP,Spring JMS Listeners, ActiveMQ,Oracle, Log4j, JAX-RS RestfulWeb services (Jersey), XML,UML,Junit,Maven, Eclipse,Jenkins, Git.

**Client: Bajaj Automobiles LTD Oct 2011 – Dec 2012**

**Location: Hyderabad, INDIA.**

**Role: Software Developer Intern**

**Description:**Leading automobile industry in Present situation which is trying to acquire market with consulting firms like client-centric IT solutions provider which helps in consulting, outsourcing and systems integration of MIS, CRM, ERP, Content Management and Web development solutions. It empowers world class web applications that automate business operations. Our sophisticated webbased approach changes the application development .

**Responsibilities:**

* Implementing the design patterns like Singleton, value object pattern and Data access objects in the project.
* Involved in system design and development in core java using Collections, multithreading and exception handling.
* Designed and developed the UI using HTML, CSS and JSP.
* Responsible for development of presentation layer using JSP and spring.
* Business logic was developed using Session beans and container managed persistence services via Hibernate.
* Involved in developing web services using SOAP (UDDI, WSDL), XML.
* Implemented MVC architecture using JSP & Enterprise Java Beans.
* Involved in development of services-based architecture utilizing open source technologies like Hibernate ORM and Spring MVC Framework.
* Involved in number of installations ofWebSphere instances from development to production and configuring the WebSphere load balancing usingWebSphere workload management
* Designed Stateless Session Beans fitting the requirement of the business and implemented its interfaces.
* Implemented Data Access Objects (DAO pattern) using JDBC.
* Extensively used JavaScript to provide the users with interactive, Speedy, functional and more usable user interfaces.
* Designed Asynchronous communication using Ajax.
* Worked on creating Packages, Stored Procedures & Functions in Oracle using PL/SQL and TOAD.
* Worked on creating a test harness using POJOs which would come along with the installer and test the services every time the installer would be run.

**Environment:** Java, Spring, Hibernate, Integration, JSP, Ajax, JavaScript, JUnit, EJB, JST, XML AJAX, HTML, CSS, SOAP, WebSphere Application Server, GIT.

**EDUCATION:**

 Master’s in Operation Systems & Business Administration from JNTU - 2010.

 Bachelor’s Degree in Computers from Osmania University – 2008.