**Tushar Sethi** *(720) 399-8122*

***Java Developer*** *s.tusharsethi@gmail.com*

**SUMMARY:**

* Over 8+ years of Experience in software and IT different phases of Software Development Life Cycle (SDLC) including analysis, development, implementation, integration, testing, and maintenance/support of enterprise applications and Object Oriented (OO) Client-Server technologies in various domains using Java/J2EE.
* Extensive experience in development of multi-tier applications using Java, J2EE, Hibernate, Spring MVC, JSP, JDBC, Junit and Web Services.
* Experience in System Design using UML methodology and preparation of class and sequence diagrams.
* Experience in front end development using HTML5, JavaScript, CSS3, JSP2.3, AJAX, jQuery, JSON, Angular JS, and Servlet 4.0.
* Strong knowledge in Database development including Normalization, Stored Procedures and Query optimization techniques.
* Experience in deployment of SOA (Service Oriented Architecture) based Applications using Web Services.
* Experience in developing REST micro services with Spring-boot.
* Experience in developing Spring MVC, Spring Boot, Spring Batch, Spring Security, Spring AOP, Spring IOC, Struts, Hibernate [ORM].
* Experience in various open-source framework like Apache Struts framework and spring framework with modules like Hibernate, JNDI and JPA.
* Experience with Enterprise Java Beans (EJB) - Session Bean, Entity Bean and Message Driven Bean.
* Experience in Microservices with spring boot.
* Strong in Object Oriented Programing Concepts (OOPs) and various Design Patterns like MVC.
* Experience in logging using Slf4 and Log4j.
* Strong hands on experience with Collection framework, ArrayList, LinkedList, Maps, Sets, etc.
* Experience in working with Cloud technologies like Amazon Web Services (AWS) and Cloud computing infrastructure such as Amazon SQS, Amazon Dynamo DB, Amazon EC2, Amazon RDS, Amazon EBS, Amazon S3 and Amazon Red Shift, Amazon Cloud.
* Strong Knowledge to Design, Planed and created Azure virtual machines, Implemented, managed virtual networking within Azure, and connect to on-premises environments.
* Experience in working with Application and as well web Servers like Web Logic, WebSphere and Apache Tomcat.
* Documentation experience using Swagger.
* Broad contribution in creating Web Services like SOAP, Restful API using Spring Boot Framework.
* Experience with data handling of RDBMS databases such as Oracle10g/11g, My Sql, MS-SQL Server and DB2.
* Experience of NoSQL database, Such as Mongo DB, Cassandra, PostgreSQL.
* Strong working experience with SCM/Version Control Systems like CVS, SVN (Subversion), GIT, GitHub, Clear case.
* Experience in writing test cases using Junit, TestNG and Mockito.
* Experience in multithreading and synchronization.
* Proficient in Visualization tools like Tableau Desktop, Power BI.
* Proficiency in software development methodologies such as Agile, and Waterfall.

**TECHNICAL SKILLS:**

***Operating Systems:***Windows, LINUX.

***Programming Languages:*** Java 8, J2EE, JavaScript, SQL.

***Programming Concepts:***OOPs, Design Patterns, SOLID Principles, Microservices, Webservices (SOAP, RESTful), etc.

***Database Technology:***MySQL, SQL Developer, Oracle 11g, Mango DB, DB2, NoSQL, Cassandra.

***Java Frameworks:***Hibernate, JSP, JDBC, Servlets, JPA, Spring MVC, Sprint boot, Spring Security.

***UI Interfaces:***AJAX, jQuery, JSON, JNDI, JDBC, JSP2.3, Servlets4.0, Struts2.0/2.5, Maven, Gradle.

***Scripting Languages:***JavaScript, PHP, AngularJS, Shell Scripting.

***Cloud Technology:*** AWS, Azure, RedHat OpenShift.

***CI/CD:*** Jenkins, Bitbucket, GitHub, etc.

***Defect Tracking:***Jira.

***Deployment Servers:***Apache tomcat.

***Development Tools (IDE):*** Eclipse, Visual Studio Code.

***Testing Tools:***Junit, Postman, Mockito, TetNG.

***Mid-Tier Technologies:*** Restful Services (JAX-RS), Web Services (JAX-RPC, JAX-WS), EJB.

***Visualization***Tableau Desktop, Power BI.

***SDLC Models:***Agile, Scrum, Waterfall, etc.

**EXPERIENCE:**

**Java Developer 03/2019 – Present**

**Talent Pathway, Frisco-Texas**

***Description:***

Talent Pathway is a Human Capital Management solution, acting as a catalyst for business by equipping HR professionals to deliver with speed and excellence. Apart from keeping a tab on the operation process, their Applicant Tracking System (ATS) allows users to source and identify suitable candidate.

***Responsibilities:***

* Worked on Core Java and Java Collections concepts to implement the Business Logic.
* Achieved Dependency injection by creating spring services, spring controllers and DAOs to wire objects of business classes.
* Used Solr as an indexing on Cassandra tables to implement the pagination for rest services.
* Involved in designing generalized recorder, monitor and semantic comparator services using factory method, which be used at Enterprise level.
* Created Web Applications using JSP, HTML5, and Spring MVC.
* Used Spring Kafka to publish and consume events between Micro services.
* Worked on Map Component in React JS for changing the colors of location points based on logic.
* Involved in creating Rest Services with Get, Put, Post and Delete methods for UI using spring boot Used Jenkins to build and deploy micro services (jobs) to various environments.
* Used tools like Open Shift, Kibana and Kafka monitor to monitor the logs and application.
* Authentication and Role based Authorization is implemented by using Spring Security.
* Used Spring Boot, which is radically faster in building cloud Micro services and develop spring, based application with very less configuration.
* Written Integration test cases using Cucumber to test the application pipeline.
* Worked with build tools like Maven, Ant.
* Created Web Applications using JSP, HTML5, and Spring MVC.
* Utilized Java 8 features like Lambda Expression to reduce boiler plate code.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Developed REST based Web Services as End point to share the data with the other products with Spring boot using JSON as messaging medium.
* Implemented Logger in Spring boot using Slf4.
* Build Docker images and pushed them to Docker Private Registry.
* Extensively used multithreading with Runnable, Thread, and Stream API.
* Developed and deployed the application in Tomcat server.
* Used Git as a version control for applications.
* Setup the Continuous Integration (CI) process for the application using Jenkins.
* Implemented Swagger for documentation.
* Used Jira for defect tracking.
* Used Shell scripting to compile and run java program.
* Involved in Junit Testing on various modules.
* Used Postman to test REST API.

***Environment:***

*Java8, Spring Boot, Spring Frameworks, Spring IOC, Spring MVC, IntelliJ, Hibernate, Spring Security, Spring AOP, Spring DAO, IBM MQ, Kafka, Micro services, Cassandra (NoSQL), Solr, SQL Server, MySQL, SQL, Jenkins, Open Shift (Red Hat), Version One, Gradle.*

**CVS Health, Buffalo Grove, IL 01/2018 – 02/2019**

**Java Developer**

***Description:***

Mail Order Pharmacy Systems compromise a set of applications that handle the imaging, character recognition on order forms, a workflow system, order entry, prescription translation, dispensing and reporting. In multiple places the system acts as a hub receiving electronic prescriptions, submitting for adjudication, and payment, while sending out status on orders to the web, customer service agents, and telephone voice response

***Responsibilities:***

* Using agile methodologies to plan work for every iteration and used continuous integration tool to make the build passes before deploying the code to other environments.
* Designed project related documents which includes Use case, Class and Sequence diagrams.
* Involved in design, development, testing and implementation of the process systems, working on iterative life cycles business requirements, and creating Detail Design Document.
* Build Spring Boot microservices for the delivery of software products across the enterprise.
* Decompose existing monolithic code base into Spring Boot microservices.
* Implemented service layer using Spring IOC and annotations and Controllers using Spring MVC.
* Implemented DAOs, entities using Hibernate API and Hibernate QL.
* All the functionality is implemented using Spring IO / Spring Boot and Hibernate ORM. Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and Spring security modules.
* Implemented all the components following test-driven development methodology using JUnit.
* Used SVN as version control system.
* Created build and deployment scripts using Maven.
* Performed data integration with sourcing systems using JMS.
* New library development with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry.
* Provided production support by documenting tickets and communicating with customer and vendor.
* Provided in-depth analysis to resolve production and application issues.
* Provided a concrete explanation of resolutions to issues, inquiries and requests.

***Environment:***

*Java 1.8, Java EE, SpringIO, Spring boot, Spring MVC , Hibernate ORM , Agile/Scrum, MySQL , HTML5, jQuery, Apache Tomcat , Linux, Maven , SVN , Log4j.*

**Nagarro, India 01/2015 – 02/2017**

**Software Developer (Java)**

***Description:***

Headquartered in Germany, Nagarro is a subsidiary of Allgeier SE. The project involved periodic maintenance of services for Lutron Electronics- USA by implementing new lighting control solutions and removing discontinued products.

***Responsibilities:***

* Develop end-to-end application using Java, JSP, JS, Web Sphere Portal Server, Data Source, JNDI lookup, Web Content Manager (WCM) and Database creation
* Developed services using Spring boot, Spring MVC, JSP, and Spring Data JPA.
* Wrote EJB POJOS for fetching information.
* Optimized the design using patterns like DAO, Singleton, Service Locator and Business Delegate.
* Mapped POJO (plain old java objects) to the tables already created in the database using the hibernate annotations.
* Implemented multithreading and synchronization.
* Designed and Developed Web Services using WSDL, SOAP to communicate to the other modules and used SOAP UI for testing the web services.
* Implemented CI/CD allowing for deploying to multiple client AWS environments.
* Installed the application on AWS EC2 AMI, also configured the storage on S3Buckets and then Implemented AWS solutions using S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups.
* Design and develop SQL scripts for creation of tables in DB2 for different modules
* Worked with XML, XSLT for building up & transforming the xml files.
* Involved in using JMS Queues and JMS Topics for one-to-one and one-to-may communication in the application.
* Enhanced the Python scripts used for executing the Algorithms in Windows Environment.
* Used Maven as build tool for creating JAR file to be deployed in server.
* Involved in Junit Testing on various modules by generating the Test Cases.
* Used SVN as a version control for applications.
* Achieved Dependency injection by creating spring services, spring controllers and DAOs to wire objects of business classes.
* Used various Core Java concepts such as Exception Handling, Collection framework, Multi-threading to store, retrieve, and manipulate data objects of application.
* Developed Servlets, and JSP for performing CRUD operations.
* Implemented Logger using Log4j.
* Worked with build tools like Maven.

***Environment:***

*Java8, Angular JS, Node.JS, AJAX, HTML5, XML, CSS4, jQuery, JavaScript, Spring Frameworks, Spring IOC, Spring MVC, Spring Boot, IntelliJ, Hibernate, SQL Server, Spring Security, Spring AOP, Spring DAO, Micro services, NoSQL, Cassandra, Oracle 11g, SQL Server, MySQL, MongoDB, SQL, PL/SQL.*

**SQL Developer 06/2013 – 12/2014**

**National Fertilizers Limited, India**

***Description:***

National Fertilizers Limited, a State-owned public-sector enterprise, is the second largest producer of urea fertilizer in India. Apart from urea, it also manufacturers various other kind of chemical fertilizers, organic fertilizers, and industrial chemicals.

***Responsibilities:***

* Wrote SQL queries to create tables including Table joins, ranking functions to analyze data for different sensors in plant.
* Provided insights of technical parameters and assisted in finding root cause analysis for optimum working of plant.
* Created Tables, Stored Procedures, User Defined Functions, Views and Triggers for different data operation on the database.
* Wrote user defined functions based on stakeholder’s requirements.
* Optimized stored procedure to help server performance.

***Environment:***

*Microsoft SQL Server Management Studio, T-SQL.*

**Quality Analyst Intern 02/2012 – 05/2013**

**Actualize Group, India**

***Description:***

Headquartered in Spain, Actualize Group provided subscription-based support to the users for resolving issues pertaining to their computer systems through their product Papaya10**.**

***Responsibilities:***

* Performed black box testing of Actualize Suite (Beta version) and Papaya10 website.
* Tested for both positive and negative test cases.
* Documented all findings and assigned pass/fail status.
* Made recommendations for solutions after identifying issues.

***Environment:*** *Manual Testing, WordPress, PHP.*

**EDUCATION:**

* *Master of Science, Wichita State University – Kansas* ***12/2019***
* *Bachelor of Technology, Maharshi Dayanand University – India* ***08/2012***