**Mohammad Shoaib**

**Sr. Java Backend Developer**

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Around 6 years of experience in design and development of projects, building distributed web applications using Java/J2EE on various platforms

* Extensive experience in Core Java concepts like Exception Handling, Multi-Threading, Synchronization, Serialization, IO, Collections, Framework, Java Beans.
* Worked on new features of Java 8 annotations, Generics, enhanced for loop, Enums and Lambda expressions.
* Experience in developing User Interface using Angular 2 framework, React Js, HTML, CSS and JavaScript.
* Experienced working in projects involving Agile, Scrum, Test First, Incremental and Iterative Development.
* Ambitious Go-getter with extensive adaptiveness in web application development using Spring, Hibernate, SOAP, RESTful, AJAX, XML, Drools, HTML5, JavaScript, React Js and Bootstrap.
* Performance Targeted Implementer with substantial experience in Service Oriented Architecture (SOA) using Web Services such as SOAP using Apache CFX, RESTful using Jersey and Jackson.
* Worked on SOA such as Apache Axis web services, SOAP, WSDL. Exposure to JAXB, JAX-WS and JAX-RS.
* Quick-witted Competent with skillful ability in using Spring 4.x(Dependency Injection/Inversion of Control, Spring MVC, Spring Security Spring JDBC, Spring Mobile, Spring REST, Spring Boot) and Object Relational Mapping frameworks (ORM’s) like Hibernate with mapping of persistent classes and usage of Hibernate Query Language.
* Strong understanding of Micro services patterns – Circuit Breaker/Hystrix, DDD, Aggregator, Proxy Chaining.
* Developed reusable and interoperable Web service modules based on SOA architecture using SOAP, RESTFUL.
* Extensively used different Tag Libraries like JSF Tags, Struts Tags, JSTL, Spring Tags, Spring EL, Display Tag.
* Experienced in Client-side validation, Client-Server data interaction using Ajax in Nodejs.
* Used Spring Boot properties like actuators and health checkers to enhance MicroService implementations.
* Developed core modules in large cross-platform applications using JAVA, J2EE, iBatis, Hibernate, JSP, Servlets, EJB, JDBC, JavaScript, Ajax, JQuery, XML, and HTML.
* Technically Savvy in using multiple RDBMS like IBM DB2, Oracle 9i/10g/11i, SQL Server and MySQL.
* Mission Focused Aspirant with sweeping proficiency in using version controls such as SVN and GIT.
* Experience with Maven and Gradle for dependency, version management and Jenkins Continuous Integration (CI) to setup automated builds.
* Developed Docker images to support development and their pipelines and used container based tool Kubernetes.
* Experience in working on modern MEAN Stack- MongoDB, Express, Angular and Nodejs.
* Good knowledge on message service MQ’s like IBM MQ, RabbitMQ, Active MQ .
* Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle 10g/11g, IBM DB2, MySQL, SQL Server 2000, MongoDB.
* Worked on AWS, High Availability Practices and deploying backup/restore infrastructure
* Developed a serverless application using AWS lambda in integration with API gateway, S3, IAM, EC2, Code Deploy.
* Expertise in software configuration management using Git, GitHub, CVS, SVN and IBM Clear Case. Hands on experience with build tools like ANT, Maven and logging tools like Log4J.
* Expertise on UI testing with Karma, Mocha, Jasmine and Chai.
* Experience in writing and executing unit test cases using JUnit and JMeter, Mokito Testing Framework.
* Expertise with employment of Spring Kafka and Zookeeper apart from JMS as messaging service.
* Spearheaded Application Developer conversant with developing applications using various servers including Apache Tomcat, IBM WebSphere, BEA WebLogic and JBoss Application Server.

Experienced in developing UNIX Shell Scripts for batch processing.

**Skill Set:**

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| **Languages** | Java 1.8, J2EE |
| **Web Technologies** | SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlet API 3.0 |
| **Frameworks** | Spring 4.3, Hibernate 4.3, Angular JS 1.0/1.5/2.0, Spring Security 3.2 |
| **Application/Web servers** | Apache Tomcat 8,IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, WebSphere MQ 7.5 |
| **Relational Databases** | Oracle 10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1 |
| **NoSQL Databases** | MongoDB, Cassandra |
| **Internet Technologies** | HTML 5, JavaScript 1.8, XML 2.0, CSS 3, jQuery 2.11, 8JS 2.0, BackBone.JS 1.3.1, Node JS 6.0. |
| **Cloud Environments** | Azure, AWS, Netflix Eureka, Mesos, Kubernetes. |
| **IDE** | Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.8.3 |
| **Operating system** | Windows 10, Linux Mint 18.1, Unix |
| **Bug tracking Tools** | JUNIT4.12, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36 |
| **Reporting Tools** | Jasper Reports 6.0, Crystal Reports XI, SSRS 5.0 |
| **Methodologies** | Agile, waterfall, TDD (Test-Driven-Development), Scrum |
| **Build Tools** | Ant 1.10, Maven 3.3.9, Gradle 3.4.1 |
| **Web Services** | SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS, |

**Work Experience:**

**Client: Conduent ,Maryland**

**JAN 2018-Till Date**

**Role: Sr. Java Backend Developer**

**Description:** Performed design, code, repair, enhance, integrate, upgrade and administer application software, and middleware. Work is performed within enterprise guidelines and standards regarding the development life cycle, version control, source code control, testing, code verification, continuous integration, continuous deployment, automation, compliance policies and team collaboration.

**Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed **agile methodology** in the Scrum Cycle model.
* Active involvement with Spring, Spring MVC, Spring Boot for developing Microservices.
* The application is built based on **Micro Services Oriented Architecture** and developed dynamic single page applications using **MEAN** Stack (**Angular 4.0** framework with **HTML5, CSS3** and **Twitter Bootstrap)**.
* Involved in the development of the application with the style guides, coding guidelines and environment setup instructions.
* Expertise in JBOSS for implementing Java applications and other Web-based applications and software.
* Involved in developing application styles using bootstrap and css3.
* Created **Angular directives, controllers, modules, pipes etc., in TypeScript.**
* Built custom Angular 4 Directives and Services for single-page web application for agile-based team.
* Experience in Developing User Interface (**UI**) Rich Web Applications, and Web Service Applications using Front End/User Interface (**UI**) Technologies like Object Oriented **JavaScript, Type Script, Angular 4, Node JS, Bootstrap, Media Queries, CSS Frameworks, Java, Java with Swing.**
* Execution of SQL queries to extract data from DB2 tables for running test scripts.
* Maintained, structured, and surveyed documents within the **NoSQL MongoDB database**; ensuring data integrity, correcting anomalies, and increasing the overall maintainability of the database.
* Experience in handling messaging services using Apache Kafka.
* Worked on some of the new features of **Angular 4** like new if else syntax, ng-templates, form validators.
* Hands on Experience on **Angular CLI** (Command line Interface) and **Unit Test** with **Karma-Jasmine**.
* Have extensively used **Java8** Streams, **Lambda Functions, Predicates**, **Functional Interfaces**, **Method References**, **Filters, Collections and Default Methods**.
* Design and implement **OAuth2**integration on **RESTful APIs** using **JWT** tokens to generate Refresh tokens, Access tokens and Authorization code.
* Provide guidance and support to application developers on DB2 best practices during application development
* Used **JWTs** to authenticate and authorize the users against his credentials
* Used **Spring** Framework including **Spring** Core/IOC, **Spring** **AOP**, **Spring ORM** and **Spring Batch,** developed Mid-Tier code and implemented the authentication, authorization, and access-control features by making use of **Spring** **Security.**
* Developed bean references in **spring** framework using **dependency injection (D/I)/IOC**
* Used **Spring Annotations** to simplify the business logic for creating **Spring MVC RESTful web services.**
* Used **spring boot** Actuator to externalize application's configuration properties for different environments
* Used **Spring Data JPA** for configuring the persistence layers in the application.
* Implemented **JPA** (ORM Mapping tool) framework using **Entity manager** to interact with the database to update, retrieve, insert and delete values effectively.
* Handle all Kafka environment builds, including design, capacity planning, cluster setup, performance tuning and ongoing monitoring.
* Worked in container based technologies like Docker, Kubernetes and Open shift
* Perform high-level, day-to-day operational maintenance, support, and upgrades for the Kafka Cluster.
* Used **Open API** for auto documentation of **REST Services** in **microservices**
* Implemented pre-authentication and data base security using **Spring security** and securing application access and **Spring Batch** for scheduling and maintenance of batch jobs.
* Configured **Open API** registered **Micro service** with **Eureka** server to monitor service health check from **Spring Boot** admin console and **Spring Hystrix** dashboard.
* Efficiently implemented platform as service technologies like **Pivotal Cloud Foundry (Pivotal Application Service**, **Container Service and Functional Service)**.
* Implemented **Netflix Zuul API** gateway for the **REST** services and registering services to **Eureka.**
* Used **Apache Camel** for building real-time data pipelines and streaming of the application along with **Zoo Keeper** and achieved asynchronous messaging service**.**
* **Kubernetes** is configured in the application for automating deployment, scaling and management of containerized applications.
* Implemented **NoSQL** persistence pattern for some data within app to increase performance by indexing.
* Involved in designing and deploying multitude applications **AWS** stack (Including **Route53, Cloud front, S3, Elastic Beanstalk, ELB, RDS, AWS Aurora, VPC, IAM**) focusing on high-availability, fault tolerance, and auto-scaling in **AWS** Cloud Formation
* Utilized Cloud Watch to monitor resources such as CPU memory, Amazon **RDS** DB services, **ELB, EBS** volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Installed and Setup Web Servers (**Apache and Tomcat**), DB Server (**MySQL**)
* Migrated data from the previous database in SQL Server database to **Oracle** 11g.
* Managing the Openshift cluster that includes scaling up and down the AWS app nodes
* Managed and supported **AWS** Security related issues, such **IAM** and **S3** policies for user access
* Used **JUnit** along with **Mockito** to achieve efficient test-driven development**.**
* Dockerized applications by creating Docker images from Docker file, collaborated with development support team to setup a continuous deployment environment using **Docker**
* Deployed **Spring Boot** based **microservices Docker** container to **Amazon ECS through AWS** admin console.
* Setup the continuous Integration (**CI**) and continuous deployment (**CD**) jobs in Jenkins.
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Implemented **Maven** Script to create **JAR, WAR, EAR & dependency JARS** and deploy the entire project onto the **Tomcat Application Server**.
* Prepared **Junit** and **Test NG** test cases and executed them as part of auto build process from **Jenkins** Jobs.
* Integration of Maven/Nexus, Jenkins with Patterns/Release, **Bit Bucket**.
* Used **Bit Bucket** for version control, experience with **git-bash and git-hub**
* Created GUI using **Swing** as well as GUI frames using Swing.
* Prepared **SQL/PL-SQL** scripts and **Stored Procedures** required to implement fine-tuned from DBAs
* Monitored the error logs using **Log4J** and fixed the problems.

**ENVIRONMENT**: **HTML5, CSS3, AJAX, JSON, SAAS, Type Script, Bootstrap, Java 1.8, Spring Boot, Spring MVC, Hibernate, REST Web Services, ReactJS, Oauth 2.0, Gradle build, Gulp, AWS, EC2, S3 , Soap UI,Docker,Kubernetes,ELK Stack, Apigee, AXON, Netflix OSS, Cassandra, JUnit, Jasmine**.

**Client: Commerce Bank, Kansas, MO**

**Jan 2017-DEC 2017**

**Role: Java/J2EE Developer**

**Description:** The project was to enhance the existing online application with A/C Information, Funds Transfer, Payment Service, Credit Card Services, Investment Services, Rates Online Application Forms and Customer Service. Development was based on Spring MVC architecture.

**Work Highlights:**

* Designed, coded, implemented, optimization and tested new features and modules for the derivatives system as part of an **Agile** team and improved automation test suites.
* Utilized Modernizer extensively to build **HTML5/CSS3** based page layouts that are cross-browser compatible.
* Implemented client-side Interface using **React JS**.Worked on responsive design and developed a single **ISOMORPHIC** responsive website that could be served to desktop, Tablets and mobile users using **React JS**.
* Implemented application testability and diagnostics and fixing bugs with the help of **REDUX (Reducers)** architecture.
* Utilized create-react-app to launch product to stay update with current **Webpack** and **Babel** build configurations. Handled **Http Requests** using **Axios** which supports Promise API functionality native to JS **ES6**.
* Gained Knowledge on Electrode Platform **NodeJS/Web** platform built on top of the **ReactJS** and **HapiJS** frameworks.
* Developed Web API using **Node JS** and hosted on multiple load balanced API instances.
* Developed **Spring Boot** to fasten the application for removing boiler plate configurations.
* Used loosely coupled architecture **Spring Boot**. Developed **Micro Services** in the application by using **Spring Boot**.
* Developed **Micro Services** for Service oriented architecture to build flexible and independently deployable software. **Apache Kafka**, **Zookeeper** to establish communication between the **Microservices** in the application environment.
* Developed **REST Web Services clients** to consume Web Services as well other **Enterprise Wide Web Services.**
* Worked with **Spring AOP** module to perform logging operations.
* Developed independent **Microservices** using **Spring Boot** Rest Controller model and are deployed on UNIX boxes.
* Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot based web applications.
* Development of cloud hosted web applications and **REST APIs** using **Spring Boot** with embedded **Tomcat**.
* Extensively Used Jenkins as Continuous Integration tools to deploy the **Spring Boot** Microservices to **Pivotal Cloud Foundry (PCF)** using build pack. Used **Pivotal Cloud Foundry** to quickly build, deploy and update the applications.
* Utilized **Hibernate** for **Object Relational Mapping** (ORM) purposes for persistence on to the database.
* Developed different join strategies with **Hibernate** to improve performance while retrieving collection items.
* Used **Spring MVC, AOP, IOC** and **Hibernate** to establish the Connection with Database for Stored Procedures.
* Involved in implementing Queries to the backend **MongoDB** database using Http service to fetch **JSON** contract.
* Unstructured data was handled using **Mongo DB** and used **Mongoose Connector** for connecting to database.
* Composed and executed **MongoDB** scripts and queries to fetch and test data from **NoSQL** databases.
* Responsible for installation & configuration of **Jenkins** to support various Java builds and Jenkins plugins to automate continuous builds and publishing **Docker** images to the **Nexus** repository.
* Used CI/CD tools **Jenkins, Git/Gitlabs** and **Docker** registry for configuration and automation using **Ansible**.
* Used **Drools** as rule engine to categorize salient level rule to every business rules base on the business needs.
* Experienced in working with **Babel** and **Webpack** in application build and deployment processes.
* Created plugins to extract data from Database and Messaging Queues.
* Deployed and monitored scalable infrastructure on Amazon web services specifically on **AWS EC2**.
* Performed UI and front-end testing using **Selenium.** Developed test case and performed unit testing with **Mocha**

**ENVIRONMENT**: **HTML5, CSS3, React JS, Babel, Spring Boot, Spring AOP, Spring IOC, Hibernate, Redux, Axios, Node JS, Hapi JS, Webpack, JSON, Ansible, Pivotal Cloud Foundry, Jenkins, GIT, Docker, Drools, Nexus, Mongoose, MongoDB, Chai, Mocha , Selenium, EC2, AWS.**

**Client: ICrea Infotech, Hyderabad, India**

**MAY 2013 – Nov 2016**

**Role: Associate Software Engineer**

**Description:** This project is about comprehensive and integrated Hospital Management System for a Super Specialty Hospital. This package is used to computerize the activities of a servicing system. This package contains four modules. They are Administration, Patient Care System, Health Services, and Auxiliary Services. Each module is having sub modules with in this sub modules will maintain storing, registering, details of joining patient details, and over all day activities maintains one database.

**Work Highlights:**

* Developed UI modifications for portal using **XSLT, DHTML, CSS, XML and JavaScript**.
* Involved in Drawing Case diagrams, Class diagrams, and Sequence diagram for each scenario.
* Designed and coded application components in an **Agile** environment.
* The application is designed using **J2EE** design patterns and technologies based on **MVC** architecture.
* Implemented **(MVC-2) Architecture** using **Jakarta Struts framework** at presentation tier.
* Installed **WebSphere Application Web Server** for handling HTTP Request/Response.
* Developed **EJB’s** and deployed them on **IBM WebSphere Application server**.
* Extensively used **JavaScript** for client-side validations and for capturing dynamic events.
* Used **JMS** for exchanging information to communicate between the components and configured on the server.
* Developed SQL queries and utilized stored procedures and triggers to perform transactions with **Oracle** DB.
* Used **DOM** for parsing the **XML**, **XSLT** Document.
* Used **ANT** build tool for compilation and generation of war file.
* Loading data from Text Files to Database by using **SQL Loader**.
* Developed the modules using **Servlets**, **Java2EE** and **JDBC** for connecting with **MySQL.**

● Developed stored procedures, **Triggers** in MySQL for lowering traffic between servers & clients

● Performance tuning of JVM heap size, **Garbage Collections**, java stack and Native thread.

**ENVIRONMENT: XSLT, DHTML, CSS, XML, JavaScript, IBM WebSphere Application server, JMS, MySQL, ANT, SQL Loader, Servlets, Java2EE, JDBC, Garbage Collections, Oracle DB.**