**Harjeet Singh**

**Email**:tech.harjeet6@gmail.com

**Phone**: 317-348-1315

**Professional Summary:**

* Over 7.5 years of extensive development experience specializing in environment building distributed applications for web deployment using Java, Spring, Spring Boot and Angular.
* Experience in Designing and building Single page Rich internet-based websites using JavaScript, AngularJS, Angular 2,4,6, Express.js, Bootstrap and NodeJS
* Experience in migrating from Angular JS 1.x to Angular 2.0 such as, @Route, Router Outlet, router-link etc.
* Good Expertise in SOA using SOAP and Rest based Web Services
* Expertise in test Driven Development using Junit, Mockito, Karma and Jasmine
* Experience in supporting legacy applications using technologies JDBC, Servlets, JSP, , Java Server Faces (JSF), Java Persistence API (JPA), JNDI Struts and Hibernate.
* Good exposure towards various spring modules: Aspect-oriented Programming (AOP), Instrumentation, Integration, Security, Boot, Spring JDBC
* Good Exposure towards AWS and PCF for deployment of Microservices
* Good hands on Rabbit MQ and Apache Kafka
* Solid experience in developing the render, re-rendering view React JS components, forms, events, and Redux asynchronous functions, client -side routing with React Router and React – Flux pattern for core dependency.
* Experience in using JBoss jBPM as a workflow that enables creating and automatization of business processes
* Experience in Installing, Configuring, Deploying and maintaining Application and Web Servers such as Oracle Web Logic, JBoss Enterprise Application Platform (EAP), Apache Tomcat Server and IBM Web Sphere 8.5.
* Experience in Integrating and deploying applications using Apache Camel, Apache CXF, Apache Kafka, ActiveMQ, Service Mix and JBoss Fuse Enterprise Service Bus (ESB).
* Expertise in Producing and consuming Web Services Technologies like Restful (JAX-RS), SOAP (JAX-WS), JAX-RPC and JAXR (Java API for XML Registries).
* Experience in writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like Oracle, MS SQL, MySQL, and DB2.
* Experience in understanding and using NoSQL databases Mongo DB, Apache Cassandra, Couch DB, and Redis.
* Expertise in using Version control Systems likes SVN, Git, GitLab and Bitbucket
* Expertise in developing, Testing, Debugging, Integrating and Deploying Enterprise applications using Integrated Development Environments (IDE) IntelliJ IDEA, Eclipse, STS, RAD and Net Beans.
* Experience in Continuous Integration (CI) using Jenkins
* Good understanding of the build tools Maven and NPM
* Having very strong interpersonal skills and ability to work independently and within the group, can learn quickly and easily adaptable to the working environment.
* Good exposure in interacting with clients and solving application environment issues and can communicate effectively with people at different levels including stakeholders, internal teams, and the senior management.

**Technical Skill Set:**

* **Operating Systems:** Windows and Unix
* **Languages:**  Java 8, JavaScript and TypeScript
* **Web Technologies:** Angular 6, Bootstrap, Angular Material, React, NodeJS, CSS3
* **Web Services:**  REST and SOAP
* **Frameworks:**  Spring Boot, Spring DATA JPA, Hibernate and Selenium
* **RDBMS:**  ORACLE, MS SQL Server and MY SQL
* **NOSQL:**  MongoDB and Apache Cassandra
* **Web/Application Servers:**Apache Tomcat, JBoss, Web Sphere, Web Logic, IBM Web Sphere
* **IDE s:** Eclipse, NetBeans, WebStorm
* **Version Controls:** GIT, and Bit Bucket
* **Methodologies:** Agile -Scrum and Agile-Kanban
* **Build Tools:** Maven, Gradle, NPM, Docker and Jenkin
* **Cloud:** AWS (Lambda, S3, SQS, SNS, Cloud Watch, Cloud Front, EC2) and Pivotal Cloud Foundry (PCF)

**Professional Experience:**

**Role: Java Developer March 2020 – Feb 2023**

**Client : Deutsche Bank, NC**

**Project:**

The project is about working on different components of GBA(Global Booking and Allocation).GBA is middle office layer for Equities covering Single Stock, PT and DMA built using Fidessa-CTAC.GBA encompasses all aspects of middle office functions, including:

* Accepting block trades from front office and managing client allocation process.
* client confirms via various Electronic Trade Confirmation (ETC) Services, Omgeo Oasys Global,Oasys Direct,CTM,FAX,Email
* Trade figuration i.e., Fee and charges calculation
* Trade aggregation
* Feeding trades to back-office system
* Trade leg generation for intercompany cross border flow
* FX transactions for cross currency settlements
* Current booking and allocation setup is highly fragmented and inefficient leading to cost, control, capacity and client services issues.

**Responsibilities:**

* Worked with Technical Analyst, Technical Architect, Technical Lead to create the UI High level and Detailed Design for the applications
* Worked on GBA FIX(Financial Information eXchange) Router component. It is a transport protocol that has been introduced in 90’s for Equity trade data transfers. FIX Messages are trade messages from FIX which are different messages each denoting a different action.
* Worked on GBA-Reports-Framework which is a standalone JAVA 8 solution not using GBA Axiom Framework and used to meet fixed text file reporting components.
* Developed various pages in the applications in front end technologies HTML5, CSS3-SASS, JSON, Angular 6.
* Performed hands on coding using Java/J2EE & unit testing
* Resolved daily production issues as part of SL3 Support Team.
* Interacted with tech lead to understand technology direction/changes, standards and best practices
* Resolved technical issues for designers and developers during project lifecycle
* Designed, developed, and implemented web-based Java applications to support business requirements.
* Followed approved life cycle methodologies, created design documents, and performed program coding and testing.
* Experience in Struts and Web Services using SOA implementations.
* Resolved technical issues through debugging, research, and investigation.
* Contributed to the Design and develop high quality software for large scale Java/Spring Batch/Micro-service Applications
* Experienced with React framework and Node JS cross platform of JavaScript.
* Wrote custom Angular6 pipes for displaying different currencies in standard format.
* Designed and developed in interface framework to keep the application of the JBPM Interaction.
* Performed unit and system testing of application code as well as execution of implementation activities.
* Analyzed business requirements, and created technical design documents that are in accordance with the company's architecture standards.
* Developed test cases and test plans besides involving in Unit testing, Integration testing and User Acceptance testing extensively.
* Used Apache Kafka (Message Queues) for reliable, asynchronous exchange of important information between multiple business applications and for building real time data pipelines.
* Designed and developed the UI using Struts view component, JSP, HTML, CSS and JavaScript.
* Developed Rest Api to processes the data from DB to another Rest Service.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Developed and implemented the MVC Architectural Pattern using Spring Framework and used Spring IOC container to maintain core Objects Lifecycle.
* Developed Web Services (SOAP) using Spring-WS to handle user requests and interact with other components.
* Developed Microservices using Spring Boot and Spring Batch, that create, update, delete and get the assignment information from backend.
* Implemented JSP, Struts Tag Libraries, JavaScript and CSS for developing User for creating/generating Hibernate classes and configuration XML's and to also manage CRUD operations (insert, update, and delete).
* Demonstrated strong understanding of the business needs driving the projects.
* Designed and developed UI’s via Angular JS best practices on Angular 4
* Managed code over Bitbucket repository via Git
* Supported and worked for the Docker team to install Apache Kafka cluster in multimode and enabled security in the DEV environment.

**Environment:** Angular 4/6, Node JS, TypeScript, Java 8, Spring Boot, Rest, JPA, React, Rabbit MQ, Bit Bucket, Jenkins, NPM, Maven, AWS, Oracle, Redi, Mongo DB, Kafka, Eclipse, Postman, Swagger, Junit, Mockito, Karma, Jasmine, Unix, Windows. Apigee

YAML.

**Role: Micro Services Developer Oct 2019 – Jan 2020**

**Client : CareFirst Bluecross Blueshield,MD**

**Project:**

The project is all about creating microservices to replace the old monolithic architecture in regards to the rules and convention of FHIR ( Standard for Healthcare organization) and ZIPARI.

**Responsibilities:**

* Worked with Technical Analyst, Technical Architect to create the UI High level and Detailed Design for the applications
* Utilized HTML5, CSS3, JavaScript, JQuery, Bootstrap and AngularJS created GUI interface of the web page.
* Performed hands on coding using Java/J2EE & unit testing
* Interacted with tech lead to understand technology direction/changes, standards and best practices
* Resolved technical issues for designers and developers during project lifecycle
* Coordinated multiple offshore teams from India.
* Designed, developed, and implemented web-based Java applications to support business requirements.
* Followed approved life cycle methodologies, created design documents, and performed program coding and testing.
* Resolved technical issues through debugging, research, and investigation.
* Contributed to the Design and develop high quality software for large scale Java/Spring Batch/Micro-service Applications.
* Designed and developed the UI Application using Angular 6 along with HTML5, CSS4, and TypeScript and Bootstrap4
* Designed and developed in setting up of JBPM Workflow Managers for the Order process, Customer Change Systems Workflow framework. The Workflow Manager is highly customizable, supporting many workflows for a given object.
* Experienced with React framework and Node JS cross platform of JavaScript.
* Designed and developed in interface framework to keep the application of the JBPM Interaction.
* Performed unit and system testing of application code as well as execution of implementation activities.
* Analyzed business requirements, and created technical design documents that are in accordance with the company's architecture standards.
* Developed test cases and test plans besides involving in Unit testing, Integration testing and User Acceptance testing extensively.
* Developed Rest Api to processes the data from DB to another Rest Service.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Developed and implemented the MVC Architectural Pattern using Spring Framework and used Spring IOC container to maintain core Objects Lifecycle.
* Developed Web Services (SOAP) using Spring-WS to handle user requests and interact with other components.
* Supported and worked for the Docker team to install Apache Kafka cluster in multimode and enabled security in the DEV environment.
* Developed Microservices using Spring Boot and Spring Batch, that create, update, delete and get the assignment information from backend.
* Demonstrated strong understanding of the business needs driving the projects.
* Designed APIs via APIGEE
* Managed code over Bitbucket repository via Git

**Environment:** Angular 6, Node JS, TypeScript, Java 8, Spring Boot, Rest, JPA, React, Rabbit MQ, Bit Bucket, Jenkins, NPM, Maven, AWS, Oracle, Redi, Mongo DB, Eclipse, Postman, Swagger, Junit, Kafka, Mockito, Karma, Jasmine, Unix, Windows. Apigee,

YAML

**Role: Java Developer Mar 2018 – Sept 2019**

**Client : Fidelity Investments, NC**

**Project:**

The project is all about master data management. This data is being captured from the customers. This data is being provided by operations team through Angular UI. This data is being sent to backend using Restful web services. Once the data is approved in the backend data will be flown to down streams using Rabbit MQ topics. This entire application is hosted on the AWS EC2 instances on tomcat

**Responsibilities:**

* Involved in SDLC requirements gathering, analysis, design, development and testing of application, developed using AGILE/Scrum methodology.
* Used java 1.8 features like stream, Lambda expressions, functional interface, collections, Date/Time changes and type annotations.
* Designed and developed in interface framework to keep the application of the JBPM Interaction.
* Created AWS Multi-Factor Authentication (MFA) for instance RDP/SSH logon, worked with teams to lock down security groups.
* Utilized Java 1.8 features like Lambda expressions for collection evaluation and comparing the data, Stream API for Bulk data operations on Collections which would increase the performance of the Application, Parallel operations on collections for effective sorting mechanisms and to change the sequential stream flow of threads while session establishment.
* Using HTML5, CSS3, JavaScript, JQuery, Bootstrap and AngularJS created GUI interface of the web page.
* Worked on configuration and administration of databases like MySQL and NoSQL databases like MongoDB.
* Involved in the user interface implementation for various screens of the application using java swings.
* Worked with databases like MongoDB, MySQL.
* Designed and developed Angular web application using Typescript, implements Directives, Components, Services, Observables, Pipes, Reactive/Template Driven Forms, Router, Router Guards, Interceptor and Resolver.
* Translation of different reports made in Oracle reports and discoverer.
* Developed React JS pages, Web services calls and AJAX calls for the application
* Strong MySQL and MongoDB administration skills in Unix, Linux and Windows.
* Developed test cases and test plans besides involving in Unit testing, Integration testing and User Acceptance testing extensively.
* Created AngularJS controllers, services and used Angular filters for filter functionality in search box and integrator functionalities.
* Developed Rest Api to processes the data from DB to another Rest Service.
* Worked on AWS, High Availability Practices and deploying backup/restore infrastructure.
* Involved in building COSMOS web services test application.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Involved in architecture design, development and implementation of Hadoop deployment, backup and recovery systems.
* Designed and Developed the Monitoring and commanding capability in the Java Swing UI using the common Swing components.
* Developed the web applications using Core Java Threading and Collection.
* To get AJAX functionality for the website wrote JavaScript and JQuery programming.
* Coded web services to expose Oracle DB Functions and Store procedures.
* Connected to Data sources and performed operations using Spring Data Framework features like Spring JDBC and Spring ORM.
* Integrated Spring DAO for data access using Hibernate to fetch data from database and avoid redundant database access statements.
* Created and presented training materials surrounding adoption of the Groovy language.
* Developed Oracle PL/SQL store procedures and functions to process information used to generate reports.
* Designed APIs via APIGEE and Swagger
* Managed code over Bitbucket repository via Git
* Supported and worked for the Docker team to install Apache Kafka cluster in multimode and enabled security in the DEV environment.

**Environment:** Angular 4, Node JS, TypeScript, Java 8, Struts, Spring Boot, Rest, JPA, Hibernate, Rabbit MQ, Bit Bucket, Jenkins, NPM, Maven, AWS, Oracle, Redi, Mongo DB, Eclipse, Postman, Swagger, Junit, Mockito, Karma, Jasmine, Unix, Windows,YAML

**Role: Java Engineer Jun 2017– Feb 2018**

**Client : USAA, Austin, TX**

**Project:** Develop and support Web & Mobile Presentation Infrastructure. Full Stack developer for my agile team, supporting Bank and Disputes Middleware

**Responsibilities:**

* Extensively involved in developing Web interface using JSP, JSP Standard Tag Libraries (JSTL) using Struts Framework.
* Developed application using spring MVC, Spring Batch, JSP, JSTL and AJAX on the presentation layer, the business layer is built using spring.
* Working on Angular, HTML5, CSS3 and Typescript. Worked on additional frameworks like Bootstrap for responsive design.
* Designed the system based on spring MVC Model architecture. Developed a business logic layer using spring Dependency Injection and client-side Java-beans for DAO Design Patterns.
* Create internal dashboards, alerts, and scheduled reports to monitor overall Splunk performance. On boarded new data into a multi-tiered Splunk environment.
* Designed and developed components relating to Concept Wave projects.
* Created and updated database objects in Concept Wave frameworks.
* Created Stream Rest based Application interfaces on java 8 environment.
* Implemented batch configuration in spring boot application. Created the Maven project to integrate Spring boot, Restful API, Oracle & microservices.
* Worked on Java Multithreading, Collections & Coherence Framework. Implemented Java Multithreading to refresh the cache at a given set of time interval.
* Deployment of Application in the JBoss Server environment using ANT tool using Struts architecture with the JSP Client.
* Involved in process for builds and deployments with Maven, Bamboo and Jenkins for continuous integration.
* Created WAR/EAR files using MAVEN build and deployed them on JBOSS server.
* Created multi-module Maven project and used Maven to build applications and Jenkins for continuous integration continuous deployment.
* Wrote application front end with HTML, JSP, Ajax, JQuery, TypeScript and CSS.
* Created User services in Cloud Foundry for connecting database with different life cycles using spring profile.
* Used SOAP web service to get corporate card information and to make changes in the card database for businesses.
* Worked with IBM SOA Suites like WebSphere MQ Programming.
* Created API Jenkins job, set up GitHub repository for Mule project also created project POM.
* Created SOAP web service in pushing data to downstream systems and Implemented request and response objects using SOAP web services.
* Used struts MVC framework for creating the application.
* Written SQL statements for retrieving data from DB2 using JDBC and used IBM Data Studio to view and update the DB2 Database and worked on MongoDB.
* Developed and written Stored Procedures and views to extract the needed data from DB2 and reflect on the UI. Created DB2 Server Stored Procedures for implementing business logic at the database level.
* Designed APIs via APIGEE and Swagger
* Managed code over Bitbucket repository via Git

**Environment:** Angular 4, Node JS, TypeScript, Java 8, Spring Boot, Rest, Struts, JPA, Active MQ, GitLab, Jenkins, NPM, Maven, PCF, MySQL, Cassandra, Eclipse, Postman, Swagger, Junit, Mockito, Unix, Windows,YAML

**Role: Java Full Stack Engineer Aug 2016– May 2017**

**Client : World Bank Group, Washington DC**

**Project:** Advisory Services Operational Portal (ASOP) is the core system for IFC’s Advisory Services (AS) business for all of its Operational management needs. The system provides business functionality for the entire AS project life cycle from Concept Development through Completion Stage.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Used MongoDB to store Big Data in JSON format and Aggregation is used in MongoDB to Match, Sort and Group operation.
* Developed UI component with AngularJS framework by utilizing the core features like MVC pattern and Dependency Injection.
* Developed the back-end web services using Python and designed the front end of the application using Python, CSS, AJAX, JSON, Drupal and JQuery.
* Used collections in Python for manipulating and looping through different user defined objects.
* Used Multithreading to improve the performance for processing of data feeds.
* Implemented Angular JS Data Binding capability in HTML5 to give user a rich and responsive experience.
* Used jQuery to modify DOM elements content by using cross-browser selector engine called Sizzle.
* Developed and implemented the MVC Architectural Pattern using Spring Framework and used Spring IOC container to maintain core Objects Lifecycle.
* Implemented test driven development (TDD), executed unit test plans and Grails Spock Test cases for all existing controllers, Services and Domain classes and Grails Pagination to display data using Grails Templates and views.
* Implemented Spring Security for user authentication, limit login attempts and password hashing.
* Developed Web Services (SOAP) using Spring-WS to handle user requests and interact with other components.
* Developed Microservices using Spring Boot and Spring Batch, that create, update, delete and get the assignment information from backend.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Implemented Web Services clients for APIs by using Spring WebService Template class.
* Used parsers like SAX and DOM for parsing xml documents and XSLT for XML transformations.
* Designed and Developed Stored Procedures, Triggers in MS SQL to cater the needs for the entire application. Developed complex SQL queries for extracting data from the database.
* Designed APIs via APIGEE and Swagger
* Managed code over Bitbucket repository via Git

**Environment:** Angular JS, jQuery, JSF, Java , Spring MVC, GitLab, Jenkins, Webpack, Maven, Oracle, Eclipse, Postman, Junit, TestNG, Unix, Windows

**Role: Java Full Stack Engineer May 2013– Dec 2015**

**Client : Universal Software Corp, Noida, India**

**Project:**

Developed new features and maintained/updated old ones in a large mission-critical web interface to a set of chemical information databases. Programmed in Java (multiple frameworks) and Javascript , wrote acceptance test

In a transition to newer projects, I developed a JavaScript/jQuery-based mockup of a proposed application for presentation to prospective customers. Then I worked with my team on the generic underlying code intended for that and other future large data-driven applications

**Responsibilities:**

* Developed web application using Struts, JSP, Servlets, Java beans that uses MVC design pattern.
* Created user-friendly GUI interface and Web pages using HTML, CSS and JSP.
* Wrote JavaScript for client side validation.
* Involved in the development of the User Interfaces using HTML, JSP, JavaScript, AngularJS, Bootstrap, CSS and AJAX.
* Developed user interface using JSP, JSP Tag libraries, third party libraries and Java Script to simplify the complexities of the application.
* Used multithreading in programming to improve overall performance using Singleton design pattern in Hibernate Utility class.
* Used Eclipse as IDE tool for creating Servlets, JSP, and XML.
* Used AJAX API for intensive user operations and client-side validations.
* Wrote Stored Procedures and complicated queries for IBM DB2.
* Worked on parsing the XML files using DOM/SAX parsers.
* Implemented Log4J for Logging Errors, debugging and tracking using loggers, appender’s components.
* Used Rational Clear Case for version control and Clear Quest for bug tracking.
* Designed APIs via APIGEE and Swagger
* Managed code over Bitbucket repository via Git

**Environment:** Java, JDBC, Struts, JavaScript, HTML, CSS, JSP, Servlets, Tomcat, Oracle, AngularJs, Bootstrap, Hibernate, Eclipse IDE, CVS, ANT, Log4J.

**Education Details:**

MS Computer Science,Towson University Maryland USA

Graduated: May 2018

Btech Computer Science,Guru Gobind Singh Indraprashtha University,New Delhi India

Graduated: Sept 2015