**Md Tahnun M Hussan**

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**PROFESSIONAL SUMMARY:**

* Around 6+ years of IT experience working with various SDLC methodologies-Agile, Scrum, Waterfall Model.
* Experience in Design, Development, Implementation and Testing of applications using Java 1.8/J2EE.
* **Developed modules using Angular, Node,** React, Bootstrap, **JavaScript, Ajax, jQuery, HTML5 and CSS3.**
* **Expertise in using inbuilt and Custom AngularJS directives and filters to add functionalities to the webpage.**
* Experience in Angular along with Bootstrap, CSS3 to create reusable components for RWD applications.
* Implemented complex java logic as CAMUNDA listener classes to handle and store business logic and validation.
* Experienced in Server-side validations using Ajax in NodeJS and Client-side validations using Angular JS.
* **Strong experience in developing applications using Core Java concepts like OOPS, Multithreading, Collections Frameworks, Exception Handling, Data structures and JDBC.**
* **Experienced with XML related technologies such DTD/Schema, XML, XSLT (DOM, SAX), and XPATH.**
* **Knowledge of scripting languages, Python and Java.**
* **Developed core modules in large cross-platform applications using JAVA, J2EE, and spring 3/4/Boot, Hibernate, JSP, Servlets, EJB, JDBC, Web Services (SOAP, REST) and Micro Services.**
* Experience in implementing J2EE design patterns such as MVC, Singleton, Factory, Adapter, Service Locator, DAO, DTO, and Business Delegate in the development of N-Tier distributed Enterprise Applications.
* **Strong experience in Spring Framework modules such as Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Micro Services, Spring REST, Spring Eureka and Spring Netflix.**
* Expertise in using and configuring various web and application servers like IBM WebSphere Application Server, Apache Tomcat, JBoss Application Server, WebLogic Application Server and cloud-based deployments in AWS
* **Experienced in implementing Service Oriented Architecture and Web Services using SOAP, REST.**
* Developed Micro Services using Spring Boot and deploying Micro services into AWS cloud using Jenkins.
* **Experienced in Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries, Criteria, and Projections.**
* **Extensive years of experience in all phases of SDLC including design, development, testing, implementation and support using Python and Java technologies.**
* **Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle 9i / 10g / 11g/12c, SQL Server 2016, DB2, PostgreSQL and MySQL.**
* **Experience in working with** NoSQL databases like MongoDB.
* Hands on experience in Amazon Web Services provisioning and good knowledge of AWS services like EC2, S3.
* Worked on migrating the old java stack to Type safe stack using Scala for backend programming.
* Used Jenkins as a primary tool for implementing the CI-CD during code releases, worked with CICD pipe line to build and deploy transcending application on AWS.
* **Hands on experience with build tools like Ant, Maven, Gradle and Logging tools like Log4J.**
* **Experienced in using IDEs such as Eclipse, Rational Application Developer (RAD), Net Beans and IntelliJ.**
* **Experience in testing with JUnit Framework using Mockito and Spring JUnit Runner, JMeter.**
* Part of Scrum, Sprint review, Retrospection and Virtual Closure meetings as a part of Agile.
* Created Test automation framework using Cucumber and Selenium web driver.
* Experience in unit testing using Karma, JUnit, Mockito, TestNG and integration testing using Continuum, Selenium, Hudson and Apache Camel.
* **Experience in working with web servers Tomcat 8, Web Sphere 8.x/9.x, JBoss7.1.0 and Web Logic.**

**TECHNICAL SKILLS**

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| Languages | Java, C, C++, Kafka, SQL, **Python.** |
| Platforms | Windows 7, Windows XP, Windows Server 2003, LINUX, UNIX, Mac |
| Frameworks | Struts, Spring, Hibernate, CAMUNDA**,** Spring-core, Spring AOP, Spring MVC, Spring web services, |
| J2SE / J2EE Technologies | Java, J2EE, Swing, RMI, Sockets, JDBC, Servlets, JSP, Java Beans, JSTL, JSF 1.x/2.x, Jakarta Struts, EJB, JTA, JMS, Web Services. |
| Web Technologies | HTML, HTML5, XHTML, CSS, Java Script, My Faces, Rich Faces, JSF, PHP, AJAX and Angular JS |
| XML Technologies | XML, XSL, XQuery, XSD, XSLT, SAX, DOM |
| Web Services | Spring Web Service, AXIS, JAX-WS and JAX-RS, WSDL, SOAP and REST |
| Web/App Servers | Web Sphere 5.1/6.0, Web logic Application server, JBOSS, J2EE Server 1.4, Apache Tomcat 4.1/5.1, Spring Boot, IBM HTTP Server, and IIS. |
| IDE | RAD 6.0, WSAD 5.1, Eclipse 3.1 with My Eclipse 4.1.1, Rational Rose 98/2000. |
| Tools and API’s | Pivotal tracker, JIRA, BugZilla, SQL Developer, Maven, JBoss Hibernate Tools, Tortoise and Jboss Web tools, Log4J, JUnit, JMeter, Lucene, SOLR |
| Version Control | Subversion SVN (subclipse, tortoise), CVS, Visual Source, StarTeam |
| Design Patterns | Unified Process, Front Controller, Singleton, Factory |

**EDUCATION:**

Bachelors in Business Administration, Darul Ihsan University, Dhaka, Bangladesh.

Masters in Information Technology, University of The Cumberlands, Kentucky, USA

**PROFESSIONALEXPERIENCE**

**Sr. Java Developer March 19 – Present**

**LabCorp of America, Burlington, NC.**

Keeping the lights on by maintaining the older technology of the Beacon Application (which are orders and results) by removing all of the functionality and rewriting the orders and results modules and moving those to the Provider Portal (Link) and hosting those in new technology stack and in cloud.

**Responsibilities:**

* Responsible to Design and Develop the Business components using Java 8 with Spring MVC.
* Involved in design, development, test, debug and requirement gatherings.
* Developed several Spring Restful services to read the organizations, locations and client accounts data.
* Used Spark for real time streaming the data with Kafka.
* Used Spring Batch jobs for migrating the data from old Beacon space to new Provider portal.
* Written several complex SQL queries in Oracle Database by using Joins, Conditions and Groups.
* Worked on development of Hibernate, including mapping files, configuration file and classes to interact with the database.
* Object oriented programming in Python C/C SQL Unix/Linux/Mac/Windows Perl Shell scripting
* Used Hibernate to fetch the data from database in data access layers.
* Implemented Lombok annotations to generate boilerplate code for POJO objects.
* Responsible for Logging implementation into the system using Log4j Slf4j API.
* Responsible for maintaining and expanding our AWS infrastructure using AWS (EC2/EBS).
* Developed java modules implementing business rules and workflows using Spring MVC, IoC, Web Framework
* Importing the data into Spark from Kafka Consumer group using Spark Streaming APIs.
* Responsible for Peer Code Review Code Troubleshooting Bug Fixing Change Requests.
* Used WebSphere web server for hosting the application.
* Docker is used for creating images that are deployed on AWS.
* Developed the Product Builder UI screens using Angular-JS, Node JS, HTML5, CSS, Javascript and Bootstrap.
* Used CAMUNDA Modeller for workflow creation.
* Used PostgreSQL database to manage Spring Batch tables.
* Used Docker containers to host the PostgreSQL database.
* Used Jira for issue tracking and Bitbucket for version control.

**Environment:** Restful Web Services, Java, Spring MVC, Spring Batch, Spring Boot, Hibernate, Oracle SQL, Docker, Maven, Python, Jenkins, CAMUNDA, Junit, Log4j, Kafka, AWS, Spring Tool Suite, JIRA, BitBucket.

**Chevron Corporation, Houston, TX Feb 2018 – Mar 2019 Role: Sr. Java Full Stack Developer**

Chevron Corporation is an American multinational energy corporation. Chevron is engaged in every aspect of the oil, natural gas, and geothermal energy industries, including hydrocarbon exploration and production; refining, marketing and transport; chemicals manufacturing and sales; and power generation.

**Responsibilities:**

* Involved in Daily Scrum meetings, Sprint planning and estimation of the tasks for the user stories.
* Developed Customer GUI using HTML, CSS, LESS, JSON, AJAX, jQuery and Backbone JS to simplify the complexities of the application and to create single page application.
* Backbone JS used for creating single page application using a Restful JSON interface service.
* Implementing the Backbone JS and Spring MVC framework for data access.
* Developed SOA (Service Oriented Architecture), implementing Restful web services based on (JAX-RS) using frameworks Jersey, Spring REST.
* Gathered and clarified requirements with business analyst to feed into high-level customization design, development and installation phases.
* Developed application using Frameworks Spring MVC, Spring IOC, Spring AOP and Hibernate
* Implemented using Spring MVC components such as Dispatcher Servlets, Controllers, Model and View Objects, View Resolver.
* Integrated Spring MVC with Hibernate for data access from Oracle Database.
* Developed RESTful services that are reusable and interoperable, based on Spring RESTful Services using Jersey.
* Exposed Stateless session beans as RESTful web services using JAX-RS and Rest API calls and data binding is done by using Backbone JS.
* Used Spring Security for user Authentication and authorization.
* Used Spring JMS to post and consume the messages from the IBM MQ Server.
* Extensively used Hibernate mappings, HQL, Query, Criteria, Lazy loading Transactions and Locking.
* Extensively used hibernate named queries, criteria queries, Hibernate Query Language (HQL) and Optimistic Locking and Caching to process the data from the database.
* Involved in deploying and testing the application in IBM WebSphere Liberty server.
* Implemented the database connectivity using JDBC with Oracle database as backend.
* Involved in the Database design like creating tables with constraints and writing SQL queries, Views and functions on Oracle database using TOAD.
* Extensively used Selenium IDE to record, playback and debug individual test cases, using Selenium WebDriver provided more flexibility in automating test cases.
* Developed unit and integration test cases using JUnit, and Mockito.
* Used SVN as version control software and Used Ant for building and deploying the Web applications.
* Used JIRA tool for tracking stories progress and followed agile methodology.

**Environment:** Java 1.8, Spring MVC, JMS, Hibernate, HTML5, BackboneJS,SVN, Mockito, JUnit, Web Services, Eclipse, Ant.

**Client: Stryker, MO Nov 2016 – Jan 2018
Role: Java Full Stack Developer**

Stryker is one of the world’s leading medical technology companies and, together with its customers, is driven to make healthcare better. The company offers innovative products and services in Orthopaedics, Medical and Surgical, and Neuro technology and Spine that help improve patient and hospital outcomes.

**Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the Scrum Cycle model.
* Designed and developed Microservices using REST framework and Spring Boot and used Bootstrap along with AngularJS in creating the Application.
* Used NodeJS for doing non-blocking design operation for server-side code and Angular.js framework in developing various UI components.
* Developed the responsive UI web pages using XHTML, HTML5, CSS3, Angular JS 2, JavaScript, node JS and has worked with Angular JS filters in expressions and directives to filter data in the UI.
* Angular4 is a JavaScript framework for building web applications and apps in JavaScript, html, and TypeScript, which is a superset of JavaScript. Angular provides built-in features for animation, http service, and materials which in turn has features such as auto-complete, navigation, toolbar, menus, etc
* Designed and coded application components in an Agile environment utilizing a Test Driven Development (TDD) approach.
* Involved in responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.
* Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and Redux library.
* Using IVR conducted complete analysis of system and business requirements Used React-Router to turn application into Single Page Application
* Involved in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used Spring framework including Spring core/IoC, Spring Web, Spring Security and implement the authentication, authorization, and access-control features by using Spring Security.
* Used Spring Inversion of Control (IoC) for injecting the beans and reduced the coupling between the classes and implemented the Model View Controller using Spring MVC.
* Implemented the application using Spring Boot Framework and handled the security using Spring Security.
* Developed Hibernate with Spring Integration as the data abstraction to interact with the database of MongoDB.
* Developed single page applications, components using Angular JS directives, controllers, view and routing, service modules.
* Used Microservices to communicate using synchronous protocols HTTP and REST for implementing SOA.
* Provide expert technical leadership to customers and partners regarding all aspects of Pivotal Cloud Foundry (PCF).
* Developed single page applications using Angular 2, Typescript, HTML5, CSS3, and Bootstrap.
* Deployed EARs, WARs and configured application specific JVM settings, Web container parameters using the Admin Console and WebSphere admin scripts.
* Accomplished Work Load Management by creating Clusters.
* Involved in designing, developing and testing the web application by using the HTML5, CSS3,
* Project migration into cloud environment using AWS, Docker container.
* Application and developed cross browser and multi browser compatible web pages using HTML5, CSS3 and Bootstrap.
* Implemented code according to create AngularJS Controller, which isolate scopes perform operations.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 2.

 **Environment:** J2EE, Spring framework, Spring MVC, Hibernate, JSP, AWS, AJAX, SOA, TDD, Web Services,SQL Server, Microservices, XML, Ext JS, NodeJS, AngularJS, Angular2.0,Angular4 Typescript, JQuery, JavaScript, IBM RAD 9.1, WebSphere 8.5, Agile Methodology, Design Patterns, PCF, Clear Case, Apache Maven, Apache Cassandra,MongoDB, JUnit, Html, Unit, XSLT, HTML/DHTML, JENKINS, Spark, Kafka**.

Client: ServiceMaster, Memphis TN July’14-Oct’16
Role: Java/J2EE Developer (Fullstack)**

Project Description: This project is to replace an existing legacy payment & billing platform for ServiceMaster. Service Master is the parent company for AHS, Terminix, merry maid etc. Earlier each company has separate billing platform but now Service Master has planned to build one single billing platform for all the above mention companies.

**Responsibilities:**

* Analyzed Business requirements and existing software for High Level Design. Prepared System Requirement Specification (SRS) and functionality documents.
* Followed Scrum concepts of Agile Methodology to produce high Quality application.
* Designed and developed user interface screens using AJAX, HTML, DHTML, JSF, Servlets and JavaScript.
* Used JavaScript to validate the fields of the user registration screen and login screen.
* Implemented Spring MVC architecture.
* Develop the online web application using HTML/CSS & Javascript, AngularJS/AngularJS2, Spring Boot, Spring MVN and Bootstrap.
* Experience with Kinesis, Lambda, Docker, Elastic Beanstalk and AWS Cloud Formation
* Involved in migration of previous platforms from Spring to Spring Boot for building microservices.
* Configured Spring to manage Actions as beans and set their dependencies in a Spring context file and integrated middle tier with Struts web layer.
* Implemented Struts 2 framework for web controller, utilized Struts validations.
* Designed and integrated the full scale Hibernate Persistence solutions with the application architectures and also used Annotations Developed Session Bean for implementing the Business Logic.
* Designed and developed JSF components, implemented event handling using Java, JSF, AJAX, and JavaScript for various modules.
* Experience with open source databases such as Cassandra, MongoDB.
* Implemented JSF Converters to handle formatting and Localization and configured the faces-config.xml to create a web application navigation rule.
* Implemented caching techniques, wrote POJO classes for storing data and DAO’s to retrieve the data and did other database configurations using Hibernate.
* Wrote build & deployment scripts using Maven.
* Deployed flow of Execution in the Servlet Environment using JSF and defined Navigation Rules.
* Architected JMS with Spring which involves setting up ActiveMQ message broker, declared ActiveMQ message destinations and also implemented Spring’s JMS Gateway Support class as a base class for JMS gateway classes.
* Orderly logged the whole process using log4j for auditing, debugging and error logging purposes.
* Performed Unit testing by using JUnit, and load testing by using JMeter.

**Environment:** Java (Java1.6), J2EE, Websphere Application Server (WAS)7.0, AWS, Spring Boot, Eclipse IDE, Shell and Perl scripts, Oracle 9i/10g, DB2 9.5, UML, DOM/SAX parser, Unix, PL/SQL, XML, Windows OS, HTML, IIS7.0, FTP, SSH.