**Md Tahnun M Hussan**

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**PROFESSIONAL SUMMARY:**

* Over 7 years of experience as a Sr. Java Full stack developer in full software development life cycle including requirement analysis, design, coding, testing, debugging and maintenance.
* Experience in the field of Web Applications development with intensive knowledge on all phases of Software Development cycle using HTML5, CSS3, JavaScript, Angular JS, Angular 2/4, Angular 5, Angular 6 React JS, jQuery, AJAX, RWD and JSON.
* Experience in Test Driven Development (TDD), Waterfall model and agile methodologies like SCRUM
* Expertise experience in estimations, analysis, design, development, testing, maintenance, performance tuning and deployment of internet, e-commerce and client-server applications using Java, Servlets, JSP, JavaBeans, JDBC, spring, Hibernate, AJAX, JavaScript.
* Experience in working with the presentation layer using HTML5, CSS3, JSP, JSTL, Custom Tag Libraries, JavaScript, jQuery and AJAX.
* Experienced in SOA and Web Services technologies, including RESTful, JAX-WS, JAX-RPC, Axis, Soap, XML, WSDL, SAX and SAAS based design.
* Extensive experience in developing Web interfaces using HTML5, CSS3, Bootstrap, SASS, LESS, JavaScript, jQuery, Angular-JS and Backbone-JS.
* Experienced in performing automation using Selenium, Java and performing Behavioural driven testing using Cucumber and Jbehive.
* Hands on experience in Web Design ANGULAR-JS, AJAX, CSS, XML, WSDL, SOAP, Restful, Dojo, jQuery, EXT-JS, Java/J2EE, Struts, Spring and Hibernate.
* Expertise in XML technologies like XSD, DTD, XSL, XPATH, XSLT and parsers like SAX and DOM.
* Developed Web Services like REST and SOAP using Spring Web Services, Axis and JAX-WS.
* Proficiency in developing Model View Controller (MVC) Architecture based applications using Struts and Spring Frameworks.
* Extensive knowledge of XML-based standards and protocols (such as WSDL and SOAP), Service Oriented Architecture (SOA), development of XSD schemas and implementing both SOAP and REST web services.
* Experience in developing User Interface (UI) Applications and professional web applications using HTML5, CSS3, Bootstrap, AngularJS, JavaScript, RxJS, jQuery, AJAX, RWD, JSON, XHTML and XML.
* Expertise in various open-source frameworks like NodeJS, Struts 2.0/1.2, Spring 2.5/3.0, Spring MVC, IoC, Web and ORM Technology like Hibernate 3.0, JPA, EJB3.0, IBatis, Mybatis, jQuery.
* Experience with different IDE's like Eclipse, NetBeans, Intellij.
* Good knowledge and experience in Core and J2EE design patterns like Singleton, Abstract Factory, Builder, MVC2, Business Delegate, DAO etc.
* Expertise building SOAP Web services based on AWS (Amazon Web Services).
* Experienced in other front-end technologies such as SASS, LESS, Typescript, BOOTSTRAP, TypeScript, Angular1, Angular1.5, Angular 2, Angular 4, Angular 5, Angular 6, Ajax, JSON, Nodes etc.
* Expertise in Distributed and Web environments, focused in JAVA Technologies -Java collections, Threads, J2SE, JDBC, Struts, Spring products (core, boot, integrations, security), Hibernate Framework.
* Expertise in Spring Security Modules and Authentication.
* Expertise in Web-Development technologies like Servlets, JSP, JSTL, HTML5, JSON, JavaScript, CSS3, XML, XSL/XSLT, AJAX, jQuery.
* Experience in designing and coding stored procedures and functions using PL/SQL and also fine-tuning SQL queries.
* Proficient in programming with Java/J2EE and strong experience in technologies such as JSP Servlets, Struts, Spring (IOC&AOP), Spring Boot, Hibernate, ATG Commerce, EJBs, MDBs, Session Beans, JDBC and JNDI.
* Good OOAD skills and data modeling using UML (Use-cases, Class diagrams, Sequence diagrams etc.)
* Created POC's using NodeJS, MongoDB, Express-JS and Body-Parser to create REST services.
* Experienced in build tools like Ant, Maven, Gradle and using them with continuous integration tools like Jenkins to create and publish application artifacts.
* Good understanding of NoSQL Database and hands on work experience in writing application on No SQL database which is MongoDB.
* Extensively experienced in Middle Tier Development using Servlets, JSPs, and EJB (3.0).
* Experience in using DOM4J, JAXB, JAXP parsing and XML Bean to process, validate, parse and extract data from XML files.
* Experience in handling messaging services using Apache Kafka.
* In depth knowledge on ELK Stack like Elasticsearch
* Experience in working with Web/Application Servers like Web logic, JBoss and Tomcat Servers and databases such as Oracle 10g/11g, SQL Server 6.5/7.0.
* Good knowledge of Cloud Foundry and Spring Boot applications

**TECHNICAL SKILLS**

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| Java/J2EE Technologies | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking. |
| Application/Web Servers | Oracle/BEA, Web Logic 8.1/9.1/10.3, IBM Web Sphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0, Bug tracking, Jenkins, Cucumber. |
| IDEs | Eclipse, Spring STS, IntelliJ, Web Storm, NetBeans. |
| Web technologies | HTML5, CSS3, XHTML, JavaScript(+ES6), Typescript, Ajax, jQuery, AngularJS, Angular 2,4,5&6, ReactJS, NodeJS, Socket.io, Express JS, JSON, Swagger UI, Bootstrap, Google Web Toolkit (GWT), Backbone JS. |
| AWS Skills | EC2, S3, RDS, EBS, IAM, AMI, ELB, CLI, SNS, RDS, VPN, NAT, GIT, DNS, Route53, DBA, Dynamo DB, Auto scaling Servers, Glacier, Storage Lifecycle rules, Elastic Beanstalk, Cloud Front, Functional knowledge of Import/Export Snowball, Elastic ache, VPC, Direct Connect, Route 53, Cloud watch, Cloud trail, IAM &Roles, SNS subscription service. |
| Web Services | JAX-WS, JAX-RPC, JAX-RS, SOAP, REST, SOAP UI, Micro services. |
| Methodologies | Agile, Scrum, RUP, TDD, OOAD, SDLC, Waterfall model. |
| Message Brokers | Kafka, RabbitMQ, ActiveMQ, IBMMQ |
| Testing technologies/tools | JUnit, JMeter, Protractor, Mockito, Karma, Jasmine. |
| Database  | Oracle 8i/9i/10g/11G, DB2, SQL Server 2005/2008, MySQL, PostgreSQL, Sybase, MongoDB, Cassandra. |
| Big Data Tools | Hadoop, Spark, MapReduce, HDFS, HBase, Zookeeper, Hive, Sqoop, Cassandra, Flume, Couch base, MongoDB, Neo4J, Redis, MLlib. |
| Version Control | CVS, SVN, Git, Stash, Bitbucket. |
| Build Tools | ANT, Maven, Gradle. |
| Spring Tools | Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Hateos, Spring Cloud, Swagger UI, Sleuth, and Spring Zuul, Feign Client. |

**EDUCATION:**

* Bachelor’s in business administration, Darul Ihsan University, Dhaka, Bangladesh.
* Master’s in University of The Cumberland’s, Kentucky, USA

**PROFESSIONALEXPERIENCE**

**Sr. Java Developer Oct 2020 – Till date**

**CVS Caremark - Chicago IL**

* **Project: EZQuery** Microservice application using Spring boot for fetching and updating Drug data from As400 Data base. API was created using SSL configuration to communicate over HTTPS protocol from other downstream application.
* Responsibility: I did the Requirement analysis and came up with technical design to fulfill the customer need. My other responsibility was to develop the API end to end and do the unit testing. Implementation of CI/CD using gradle build, GIT version control and jenkin.
* Technology Used: Spring boot, Gradle, Jenkin
* Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
* Developed and maintained Oracle Stored procedures/packages that will upload ETL.
* Followed Agile methodology throughout the project, involve in Scrum meetings with the team members on day-to-day basis for the update on project status.
* Designed the responsive front-end screens using Angular 2, HTML5, CSS3, JavaScript, Typescript, jQuery and Bootstrap.
* **Project: Customer Benefit Builder Application**
* Requirement was to make JNDI configurable and move it in configuration file from App server declared as data source for Dev and test environment to reduce the Environment setup time for developers.
* Responsibility: After requirement analysis I came with two solution. Moving database configuration in properties as Spring data source Using Spring JDBC template. And 2nd solution was to use plain JDBC with DB details in config file for Dev and test environment.
* Design created for second approach and end to end development and unit testing completed.
* Implemented presentation layer using Spring Boot, J-Query and Bootstrap.
* Implemented Java 8 features such as Streams, Lambda expressions, method reference and Optional Class to reduce the code size and simplify the operations.
* Used Microservices architecture, with Spring Boot-predicated services interacting through an amalgamation of REST, Swagger, Cassandra and MQ message brokers and leveraging AWS to build, test and deploy Identity Microservices.
* Developed scripts in Python and maintained databases and tested and implemented applications built using Python.
* Extremely used plain JavaScript and J-Query, JavaScript Library to do the client-side validations.
* Lambda function to index the data dump in Dynamo DB and store the indexes in Elastic Search domain.
* Used Amazon Web Services (Amazon EC2, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, and AWS Identity).

**Sr. Java Developer March 19 – September 2020**

**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 for all stages of design, development, and deployment of applications. Active role in Test Driven Development termed as TDD apart from Agile Software Development.
* Actively participated in the daily SCRUM meetings with our team to produce quality deliverables within time.
* Developed an application were involved in design changes using HTML5, CSS3, jQuery and Bootstrap.
* Used Spark-Streaming APIs to perform necessary transformations and actions on the data got from Kafka and Persists into Cassandra database.
* Updated the application with new features of Angular 6.
* Worked on development of Hibernate, including mapping files, configuration file and classes to interact with the database.
* Developed front-end applications using ReactJS, Flux, NodeJS and Docker and Built Spring based Java and Scala services to support Enterprise Web application
* Worked extensively on Angular 4/5 framework and had experience working with Ng-Modules, components, Observables, ng-router, AUTH-guards.
* Backend processes were built in Python and utilized RabbitMQ as the messaging middleware.
* Improved the maintainability of the project by implementing and improving Exception Handling and Collection APIs
* Involves in Sprint planning for the estimation of efforts for user stories and bugs.
* Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
* Implemented UNIX utilities using shell script for data validation, manual job submission, restarting failed jobs, etc.
* Experience in managing Cassandra clusters on Amazon Web Services (AWS).
* Used Java 1.8 Method references feature to point to methods by their names and used functional Interfaces.
* Used Spring Boot which is radically faster in building cloud Micro services and develop spring based application with very less configuration.
* Actively involved in deployment Application war files in WebLogic Application server.
* Developed forms for user event handling and validations using JavaScript's and AJAX.
* Designed, developed a custom, single-page, responsive web application on front end using Angular JS.
* Implemented Docker container service, build pipe line like Jenkins, Bamboo and GoCD for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises
* Used Docker for creating Docker images for launching containers on AWS EC2 and Expert in using Docker for Environment provision solution.
* Developed user interface using JSP, JSP Tag libraries, third party libraries and Java Script to simplify the complexities of the application.
* Apache Tomcat 8 and NodeJS servers to deploy and configure Java API’s and frontend modules.
* Involved in using java like Collections, Exception Handling, Multi-Threading, Serialization and Java 1.8 features like Lambda expressions, Stream API, and Method references.
* Experience with advance technologies like MongoDB, Cassandra and advanced framework like Spring Row
* Experience with NoSQL document-based data stores like Mongo DB and have designed various data models for the system.
* Implemented Router Module of Angular 5 to make the whole project a Single Page Application and add routers according to the requirements.
* Designed and developed Micro Services business components and Restful service endpoints using spring boot.
* Behavior-Driven Development (BDD) implementation with Cucumber gherkin and Jenkins Continuous Integration, expanded test scenarios, tracked Cucumber reports.
* Implemented first-hand the best/worst practices for integrating Micro Services into existing system architecture.
* Micro Services were being used as a strategy to gradually replace a core monolithic application while still adding business features.
* Used object storage container to store the secured files and retrieved from API by using Amazon Web Services (AWS).
* Implemented Batch jobs using Spring Batch created various item readers, item writers and item processors.
* Implemented Restful and SOAP based Web Services and used Soap UI for testing.
* Strong knowledge in developing Web Services using SOA, SOAP, WSDL and XML.
* Having Experience using tools like RAD, SOAPUI, TOAD, Perforce, POSTMAN. And build method like MAVEN.
* Used Node JS to run Web pack tasks and build properly the project.
* Implemented modules into Node JS to integrate with designs and requirements
* Worked on Log4J to validate functionalities and JUnit for unit testing
* Expertise in J2EE Technology- Servlets, Struts, spring, JDBC, JTA, JPA, Hibernate and JMS.
* Designed and developed J2EE application using HTML5, CSS3, Angular.js, Bootstrap, Java, Spring 4, Hibernate
* Created standards and patterns for deploying a spring boot data microservice architecture to PCF
* Implemented the security on microservices using Spring Boot Auth server which generated JWT tokens as OAUTH2 mechanism.
* Developed the Application with angular4 UI components like Responsive Layouts, Ngx - Loading, Ng2-bs3-modal, Tables, Ng2-sidebars, Angular2-swiper-wrapper.
* Wrote services to store and retrieve user data from MongoDB for the application on devices.
* Developed scalable solutions using NoSQL databases Cassandra, MongoDB.
* WebSphere is used as an Application Server to Deploy the Application.
* Used JUnit and build tools such as MAVEN.
* Used GitHub to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts
* Used Spring Tool Suite(STS) IDE tool for application development.

**Environment**: Java1.8, HTML5, CSS3, JavaScript, jQuery, Ajax, AngularJS, AWS, Micro Services, Spring, Spring Boot, Spring Security, Spring batch, Servlets, Cassandra ,Spring MVC, JUnit, J2EE, Drools, Node JS, Gradle, JMS, RESTful, Agile Methodology, Log4J, Web Sphere, GitHub, Rally, Spring Security, STS.

 **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.