**Ismath Fatima**973-636-4460

**PROFESSIONAL SUMMARY:**

8 years of experience in the IT industry specifically in web technologies with skills in analysis, design, development, maintenance, installation, implementation and testing of **Java-based** systems.

* Comprehensive experience in designing and developing applications using **UML** with **Rational Rose**.
* Experienced in databases such as **SQL Server**, **Oracle** and **MySQL**.
* Expertise in several **J2EE** technologies like **JSP**, **Servlets**, **Java Scripts**, **Web Services** (**SOAP**, **WSDL** and **UDDI**) **JSF**, **Hibernate**, **spring**, **struts**, **EJB**, **Ajax**, **JAVA Beans**, **JNDI**, **JMS**, **JAVA Mail**, **XML**, Sockets using **IDE's** like **ECLIPSE**.
* Experience in **Spring Framework**, **Spring AOP**, **Struts Framework** and O/R mapping **Hibernate framework**.
* Experience in working with **Agile** Methodology.
* Expertise in Object Oriented Analysis, Design and Programming.
* Extensively worked on **JSON** and **XML**-based payload handling.
* Experienced in using design patterns Singleton, Factory method, Facade, **MVC** (Model, View & Controller).
* Experienced in client side designing and validations using **HTML5**, **DHTML**, **CSS3**, **Java Script**, **AJAX**, **JSP** etc.
* Development of applications using **J2EE** Design Patterns e.g. **MVC** Architecture, Business Delegate, Data Access Object (**DAO**), Singleton, Session Façade etc.
* Expertise in designing and developing **J2EE**-compliant systems using **IDE** tools like **Eclipse**, **My Eclipse**, **RAD**, **RSA** and **WebLogic** Workbench.
* Strong exposure working with **J2EE** design patterns like **MVC**, Front Controller, Data Accessor, Value Object, Singleton and Session Facade.
* Expert in **Core-Java** with a strong understanding of **API** Contents, Collections/Generics and Event/Exception handling. Multithreading/Concurrency.
* Developed and maintained dynamic web applications using Java backend and Vue.js frontend technologies, combining the robustness of Java with the interactive user interfaces of Vue.js.
* Implemented responsive and user-friendly UI components using Vue.js, ensuring seamless integration with backend Java services for efficient data processing and retrieval.
* Leveraged Vue.js framework to create interactive single-page applications (SPAs) that deliver a smooth and engaging user experience, enhancing overall usability and accessibility.
* Strong knowledge of **Hibernate** and using Hibernate Connection Pooling, **HQL**, Collections, Hibernate Caching, Hibernate Transactions and Optimistic Locking.
* Extensively worked on Stored Procedures, Functions, Triggers and Cursors using **PL/SQL** and **T-SQL**.
* Excellent working knowledge of App servers like Tomcat in building and deploying applications.
* Extensively worked with **XML** Suite of Technologies (**XML**, **XSL**, **XSLT**, **DTD**, **XML Schema**, **SAX** and **DOM**).
* Experience in developing and consuming **REST Services**.
* Extensively worked in Web Technologies using **JavaScript**, **AJAX**, **JSP**, **JSON**, **HTML** and **CSS**.
* Experience in **UI frameworks** such as **jQuery**, **Angular.js** and **Grunt**.
* Experience in **Java frameworks**: **Spring MVC**, **Hibernate**.

**TECHNICAL SKILLS:**

**Build Tools : -** Rational Rose, CVS, PVCS, Git, SVN, VSS, Clear Case, JIRA, Jenkins, JUnit, TestNG, Selenium, Cucumber, Jbehive, Mockito, IBM MQ, Log4j, ANT, Maven, Gradle, EC2, VPC, SNS, SQS.

**Methodologies : -** Agile Methodology, RUP, Extreme Programming.

Platforms: Oracle 11g/10g/9i/8i, MS SQL Server 2005/2000, MySQL5.1/4.1, DB2 9.1/8.1/7.2, Mongo DB.

**Design Patterns : -** MVC, Front Controller, Session Façade, Singleton, Business Delegate and DAO patterns.

**Platforms :** - Windows, UNIX, LINUX.

**Web/Application Servers : -** Tomcat 7.x/6.x/5.x, WebLogic10.3/9.2/8.1/7.0, IBM WebSphere 8.x/7.x/6. x.

**Development Tools (IDEs) : -** Eclipse3.2/3.0/2.1.1, MyEclipse6.0/5.1.1, RAD7.0/6.0, WSAD5.x/ 4.x, NetBeans3.3, MS Visual Studio 2005, Brackets and WebStorm.

**Web Technologies : -** HTML/DHTML, XHTML1.1, JavaScript1.x, XML1.0, XSL, XSLT, CSS, Bootstrap, Angular-JS, React JS, jQuery.

**Technologies :-** JSP2.1/2.0/1.2, Servlets2.x, JavaBeans, JDBC, Struts2.x/1.x, RMI, EJB3.0/2.1, Hibernate3.x/2.x, Spring 3.0, Spring 4, SOA, JMS1.1, SAX and DOM Parsers, AJAX, JAXB2.1/2.0, JAXP1.x, LDAP, Sybase Power Designer, RESTful and SOAP web services.

**Languages : -** Java (J2SE1.8/1.6/1.5, J2EE 6/5), SQL, PL/SQL, UML2.0.

**EDUCATION**

* Bachelors from Osmania University, Hyderabad, India.

**PROFESSIONAL EXPERIENCE**

**Northern Trust, Chicago, IL Apr 2021 - Current**

**Full Stack Java Developer**

The project at **Northern Trust** in **Chicago, IL**, from **April 2021** to the **present**, has involved comprehensive **Full Stack Java Development**, where a range of responsibilities has been undertaken to enhance the project's functionality, maintainability, and performance.

* Improved the maintainability of the project by implementing and improving Exception Handling and Collection **APIs**
* Involved 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.
* Used **Spring Boot**, which is radically faster in building cloud **Microservices** and developing Spring-based applications with very little configuration.
* Expert in implementing advanced procedures like text analytics and processing using in-memory computing capabilities like **Apache Spark** written in **Scala**.
* Wrote **Hive queries** and **UDFs**.
* Involved in various phases of the **Software Development Life Cycle (SDLC)** of the application Requirement gathering, Design, Analysis and Code development.
* Developed Java modules implementing business rules and workflows using Spring **MVC**, **IoC** and **Web Framework**.
* Had experience in performance tuning **J2EE apps**, performance testing, analysis, and tuning.
* Configuring **LDAP** for authorizations based on roles.
* Configuring loggregator for logs in **PCF** using **ELK**.
* Extensive Experience in importing and exporting data using stream processing platforms like **Flume** and **Kafka**.
* Developed the Product Builder UI screens using **Angular-JS**, **Node JS**, **HTML5**, **CSS**, **JavaScript** and **Bootstrap**.
* Wrote built and deployed scripts using **Shell** and **ANT scripts** and was involved in performance analysis of the application and fixed problems/suggested solutions.
* Used **SOAP**-based Web services and **RESTful** Web services for transferring data between applications.
* Knowledge of open-source frameworks including **Spring**, **Play** and **Lucene**.
* Designed and developed various DB2 database Simple and Complex Queries, **PL/SQL** procedures, Stored Procedures, Trigger and Functions.
* Worked on the development of **Hibernate**, including mapping files, configuration files and classes to interact with the database.
* Actively involved in the deployment of Application war files in the **WebLogic** Application server.
* Migration of current search process from Database to Solr search engine.
* Developed UI using **AngularJS**, **HTML** and **JavaScript** and developed Business Logic and Interfacing components using Business Objects, **XML** and **JDBC**.
* Integrated RESTful APIs and WebSocket communication protocols into Vue.js applications to enable real-time data exchange and synchronization with Java backend systems.
* Utilized Vuex state management pattern in conjunction with Java backend services to maintain application state consistency and manage data flow efficiently within Vue.js components.
* Implemented client-side routing using Vue Router to create dynamic and navigable user interfaces, providing seamless page transitions and enhancing overall application performance.
* Employed Vue.js directives, filters, and mixins to enhance code reusability and maintainability, adhering to best practices and design patterns in Vue.js development.
* Responsible for finishing **Jira** Tickets assigned on time and updating their status regularly.
* Develop detailed program design for application changes and/or major bugs.
* Involved in writing program documentation and technical specification documents.
* Wrote Spark transformations and action jobs to get data from source **DB**/log files and migrate to the destination Cassandra database.
* Involved in the design of the Cassandra data model, used **CQL** (**Cassandra Query Language**) to perform **CRUD** operations on the **Cassandra** file system.
* Designed and developed the **REST**-based Microservices using Spring Boot and Spring Data with **JPA**.
* Responsible for maintaining and expanding our **PCF** infrastructure using Pivot **Cloud Foundry**.
* Refactored the code for **JVM** Optimization and performance of the application.
* Involved in Maven-based build process and continuous integration of the project using Bamboo and Jenkins.
* Implemented **SOA** architecture with Web Services using **SOAP**, **WSDL** and **XML** to integrate other legacy systems.
* Unit testing of developed product features using Junit and Mockito frameworks as part of the development cycle.

**Environment:** Spring MVC, Node JS, Bootstrap, CSS, HTML5, Java, hibernate v3.0, DB2, Angular-JS, Red hat Linux, Jenkins, WSDL, J2EE, Spring v3.x, JavaScript, jQuery, AJAX, GIT, AWS SNS/SQS, Maven, JIRA, SOAP/Restful Web Services, Spring Based Microservices, Agile, PCF, Bamboo CI, dB Visualizer, Kafka, Tomcat, JBoss, SVN.

**SunTrust - Charlotte, NC May 2019 – Mar 2021**

**Java Developer**

The project at **SunTrust** in **Charlotte, NC**, spanning from **May 2019** to **March 2021**, involved significant **Java** development efforts aimed at enhancing the functionality, user experience, and performance of the application.

* Facilitated upgrade to **Java 8**, replacing the **Joda library**, using Streams and **Lambda** expressions.
* Created Typescript reusable components and services to consume **REST APIs** using Component-based architecture provided by **Angular 1.5**.
* Highly involved in UI responsive designs of the project using **HTML5**, **jQuery**, **CSS/CSS3**, **JavaScript**, **DOJO**, **Bootstrap**, **Node JS**.
* Developed **JavaScript**-based components using External JS frameworks like **GRID** and **Tree Panel** with client reports customized according to user requirements.
* Strongly involved in building and deploying the application into public **Bluemix** using **Toolchain**.
* Involved in the Analysis, Design and Development.
* Developed the application using Struts Framework which is based on the MVC design Pattern.
* Involved in writing the **front-end** code for the application using **Angular JS**.
* Implemented the presentation layer (**GUI**), based on an open-source framework, involving **Servlets**, **JSP**, **JSTL**, **JSF**, **CSS3**, **HTML5**, **JavaScript** and **GWT**.
* Used Git as the version control tool and Microsoft Visual Studio Code as **IDE** for developing frontend using **Node JS**.
* Implemented the concepts of agile methodology to produce merit applications by attending, preparing story cards, and participating in daily standups and sprint demos.
* Major contribution to **POC** for major enhancements and presentations to clients.
* Conducted code review session at the end of the sprint and was the point of contact for code quality.
* Involved in application performance tuning using **Wily**, profiling and provided alternate solutions to improve the performance.
* Used **jQuery**, **Angular JS** and Node JS to develop a rich user interface and to invoke **RESTful** Web Services to perform various operations.
* Worked with Toad to overlook databases and create **SQL queries** to gather and alter data. Also combined with Hibernate to test the flow of data from the application to the Database.
* Used **Maven** for developing build scripts and deploying the application onto **WebLogic**.
* Performed backend operations using Hibernate and native **SQL** on various databases.
* Developed single page applications using Angular2, Typescript, **HTML5**, **CSS3**, and **Bootstrap**.
* Developed user-specific Highlights (dashboard menu) section, Home Page, Admin home page, user module using Spring framework, **Hibernate ORM module**, Spring Core Module, **XML**, **JSP** and **XSLT**.
* Worked on Web Services using **Java API** for **XML** and **JSON** Services (**JAX\_RS**) and worked on building and deploying **RESTful** web services.
* Developed test suites in **Selenium WebDriver** (**Java**) with **TestNG** framework in **Eclipse IDE** for regression and sanity testing.
* Written Unit and Integration tests using **JUnit**, **JMock** and **Easy Mock**.
* Used **log4J** for logging.
* Fixed various defects assigned on the **JIRA**.

**Environment:** jQuery, AJAX, Bootstrap, JSON, Java 8.0, WCM, Rational Application Developer8.x, IBM Bluemix, REST, Spring, Struts, JSF, EJB, Toad, IBM WebSphere Application Server 7. x, SQL Server, DB2, Clear Case, Selenium, UM L, JSP, JIRA, Cognos, Jenkins, Agile, Git and Junit.

**Prudential Financial - Newark, NJ   Aug 2018 - Apr 2019**

**Java Developer**

**Description: -** The project at **Prudential Financial** in **Newark, NJ**, spanning from August 2018 to April 2019, involved intensive Java development aimed at enhancing various aspects of the application, including its front-end, back-end, and integration layers.

**Roles and Responsibility:**

* Created **AngularJS** controllers and services and used AngularJS filters for filter functionality in the search box and integrator functionalities.
* Developed various screens and web features for the front end using JavaScript frameworks like React JS, Angular.js, **Backbone.js**, **Require.js**, **Node.js** and EXT.js and used various predefined components from **NPM** (Node Package Manager) and Redux library.
* Customized **RESTful** Web Service using Spring **RESTful API**, sending **JSON** format data packets between front-end and middle-tier controller.
* Called **REST** web services through **AngularJS** services to get **JSON** Object and modified the response object to display in UI.
* Involved in User sessions, gathering requirements and developing a web application using agile methodology.
* Worked on highly advanced user interface design and development using **AngularJS**, **NodeJS**, **ES6**, **HTML 5**, **Bootstrap** and **CSS**.
* Used **JavaScript**, **CSS**, **Bootstrap**, and **Angular JS** to create the interactive user interface.
* Developed **dynamic UI** using **Angular JS** and Produced dynamic, interactive data visualizations using **JavaScript** libraries like **D3.js**
* Developed the application under **Core Java**, **J2EE** Architecture using **REST**, **JBoss**, **Node.js**, **backbone.js**, **EXT JS**, **Spring**, **Struts**, **Hibernate**, **Servlets**, **Web logic**, **Swing**, **Agile**, **Eclipse**, **Jenkins**, and **JSP**.
* Developed **API** to Integrate with **Amazon EC2** cloud-based architecture in **AWS**, including creating machine Images.
* Developed **Mean Stack** from scratch including **Mongo DB** server (Mongoose Connector) setup and **Express JS** server development.
* Wrote cascading style sheets for the entire user interface and created selectors, IDs, classes and pseudo-classes in style guides.
* Extensively worked on **ES6** new features such as Arrow functions, Classes, Iterators, and Generators.
* Involved in deploying systems on Amazon Web Services Infrastructure services **EC2**, **S3**.
* Developed API to Integrate with Amazon **EC2** cloud-based architecture in **AWS**, including creating machine Images.
* Created tasks for updating ts config tracked files based on glob, ts linting, and compiling typescript files.
* Implemented client-side Interface using **React JS**.
* Developing Responsive **Design UI** Rich Rest Service Applications, Single Page Applications and **HTML** Wireframes using **HTML 5** Grid Structures/**Layouts**, **CSS 3** Media Queries, **Ajax**, **Angular JS** and **Bootstrap**.
* Developing and maintaining web application systems using **NodeJS**.
* Used **jQuery** to traverse through a **DOM** tree and manipulate the nodes in the tree.
* Implemented the Drag and Drop functionality using the **jQuery** framework.
* Built Rich Prototypes and Applications using **HTML 5**, **CSS 3** and **JavaScript**, **jQuery**, **Ajax**, **JSON**, **ES6**, **AngularJS** and Bootstrap with **MySQL** database.
* Involved in developing UI pages using **HTML5**, **DHTML**, **XSL/XSLT**, **XHTML**, **DOM**, **CSS3**, **JSON**, **Drupal**, **JavaScript**, **jQuery** and **Ajax**.
* Developing the Presentation Layer using **JSP** Technologies.
* Developing & Customizing UI **JavaScript** Plug-ins using **jQuery**, object-oriented JS and **JSON**.
* Implemented client-side application to invoke **SOAP** and Restful **Web Services**.
* Implemented the online application using **Core Java**, **JavaScript**, **JDBC**, **JSP**, **Servlets**, **Spring**, **Hibernate** and **Web Services**.
* Used karma-test-runner and Jasmine for **JavaScript** Unit testing.
* Configured on modern web workflow making use of grunt and bower to the company.
* Used **JIRA** for bug tracking and issue tracking.
* Used automation of source control application **Git**.
* Created responsive web design (**RWD**) interface that caters to different screen sizes.
* Manage the overall visual design for the application including all branding and navigational elements.

**Environment:** log4j, JUnit, IBM MQ, JMS, JAXB, Web Services, HTML5, CSS3, AEM, Web Logic Application Server, Java 8, Spring, Hibernate, Rest, JavaScript, jQuery, AJAX, JSON, Angular JS, NodeJS, XML, XSL, jQuery, Mongo DB, Cassandra.

**Corebridge Financial - Houston, TX Sep 2016 – Jul 2018**

**Java Developer**

The project at **Corebridge Financial** of **Texas** in **Houston, TX**, spanning from **September 2016** to **July 2018**, involved **Java** development focused on improving various aspects of the banking system's functionality, automation, and user interface.

* Designed & Administered web Methods components Architecture.
* Developed automation test scripts for the system's core functionality and **GUIs** of the application
* Developing Functional Test Automation using **Selenium** (**IDE**, **RC**) and **Junit**.
* Involved in System testing and defect resolution.
* Developed **UI** of the application using **NodeJS** and **jQuery** libraries.
* Involved in writing client-side validations using **jQuery** with **AJAX**.
* Highly available and auto-scalable set of microservices with zero-downtime deployment, unified monitoring and logging
* Maintained existing UI Applications and upgraded them using **CSS3**, **jQuery**, **AJAX**, **JavaScript**, **React JS**, **Backbone.Js** and **HTML5**.
* Developed business modules with **JSP**, **Servlets**, and Execution Service framework which is based on Struts.
* Responsible for system development using Factory, **DAO** and **MVC** Design Patterns.
* Involved in writing stored procedures and functions in **PL/SQL** to access the **Oracle** database.
* Developed Data Access Object Adaptors for interacting with the Data Access Objects and controlling the coupling of the system.
* Used **NodeJS** architectural concepts like event loops, callbacks and event emitters.
* For organizing client contacts and for monthly financial statistics **EmberJS** and **MySQL** are used.
* Performed Unit testing of the code as per the test cases.
* Developed **AWS** multifactor authentication and worked with teams to lock security groups.
* Framework included Enterprise Java Beans (**EJB**), Servlets, JSPs, Request Processors, Data Access Objects, and Message Queues (**JMS**). The new architecture significantly reduced response times.
* Developed and maintained data layer using the ORM framework Hibernate.
* Writing the Selenium test scripts from scratch using Junit.
* Execution and debugging of the **Java script** in **Selenium RC**.
* Defined the test criteria and project schedules and baselined the Test Plan with the help of project meetings and walkthroughs.
* Served as a technical mentor to less experienced staff.
* Update the testing metrics and status reporting to senior management.

**Environment:** JSP, Servlets, Struts 2.0, Apache Tomcat, Swing, Linux, Java, J2EE, Java Message Service (JMS), HTML, XML, XSD, jQuery, NodeJS, Selenium (IDE, RC), Oracle 9i, Hibernate, Spring, EmberJS, HTML, CSS, jQuery, AJAX, JSON.