**Syed Hamid**

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**Senior Full Stack Java Developer**

**PROFESSIONAL SUMMARY:**

* **Sr. Full Stack Java Developer**with over **7+ years** of experience in Analysis, Design, Development, Testing and Implementation of Enterprise Client/Server and Distributed Applications across the entire Software Development Life Cycle using Java and J2EE Technologies.
* Expertise on advanced software development methodologies such as **Agile/Scrum**, Waterfall, Test Driven Development (TTD), Incremental and Iteration methodology.
* Skillful hands-on capability in Core Java concepts such as: OOPs, Collections, Exceptions Handling, Input/output (I/O) System, Swing, Annotations, Enums, Concurrency, Multi-Threading, Lambda and Generics.
* Extensively used **Java 8**features such as lambda expressions, Parallel operations on collections, multithreading for effective sorting mechanisms.
* Expertise in UI Design and Development using **ReactJS, Angular 4/6, AngularJS, Vue.js, Node.js, Backbone.js, HTML/ HTML5, CSS/CSS3** (SASS, LESS), **JavaScript , Bootstrap, XML AJAX,JSON**, Custom Tags, JSF, Prime-Faces and Rich-Faces frameworkthat follows W3C Web standards and successfully managing all facets of application development.
* Experienced in **React JS** and working with **React Flux** architecture. Experienced in working with Redux architecture.
* Extensive Knowledge of how Web Semantics translate into **REST API’s** and Developing REST API’s using Java/Tomcat/Spring.
* Proficient in creating and building dynamic and user interactive websites using various scripting languages like **JavaScript**, **Angular**,**Backbone.js**, **Node.js, Vue.js, React.js** and **jQuery**.
* Created custom directives and filters using **AngularJS** built-in **HTTP** service from controller through dependency injection.
* Strong understanding of **Microservice patterns** **Hystrix, Proxy chaining.**
* Experience in Use Cases, Sequence Diagrams and Class Diagrams using **UML** and **J2EE Design Patterns** like **Model-View-Controller (MVC), Singleton, Abstract Factory, Session Façade, DAO, DTO, Service Locator** and **Business Delegate** in developing multi-tier distributed web applications.
* Expertise in J2EE Architecture using **Java**, **JDBC**, **Servlets**, **JMS, JSP**, **Hibernate**, **JPA**, **Maven**, **Spring**, **Web services (** **JAX WS** , **JAX RS)** and Rule Engines (Drools, Easy Rules, Rule Book).
* Experience in Messaging services like (JMS) MQ's Rabbit MQ, IBM MQ and Active MQ.
* Experience in **Spring Security Framework** for User Access Management and involved **LDAP** configuration for authentication, authorization & Implementing Spring Cloud-REST call using Netflix Feign Client.
* Strong experience in **Spring Framework** modules such **as** Spring MVC, IOC, AOP, JDBC, JTA, IO, SpringDashboard, Spring Boot, Spring Microservices, Spring REST, Spring Ribbon, Spring Netflix.
* Experience in creating rules using Business Rules Engines: **Drools**, **ILOG**, and experienced with Imaging/Document Storage tool: Case 360 and IBM DB2 Content Manager.
* Expertise in **back-end procedure development** using  **PostgreSQL**, **Oracle, MongoDB** & **MySQL**.
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB** and **Cassandra**.
* Good knowledge in employing database caching strategies using  **MongoDB Elastic search**.
* Hands on experience in installing, configuring, and using **Hadoop** ecosystem components like Hadoop Map Reduce, HDFS, React, Zookeeper.
* Expertise in developing applications using Type safe technologies like Scala, Akka model, Play framework.
* Excellent experience in unit testing using **Karma**, Automated Testing using **Junit**, **Selenium** (IDE/WebDriver), Integration Testing using Cucumber, Selenium, Jenkins and Apache Camel.
* Developed **CI/CD** system with **Jenkins** on **Kubernetes** container environment.
* Deployed the Application into **Docker** container and made easily accessible at runtime using **Pivotal Cloud Foundry** and other cloud services like **AWS**.
* **Netflix Eureka**, **Spring Hystrix** as fallback method**, Spring Ribbon** for load balancing and a broker service to maintain status using **Spring Kafka** and **Zookeeper**.
* Used Spring **Kafka** API calls to process the messages smoothly on **Kafka** Cluster setup.
* Experienced in configuration and deployment on Application Servers such as **IBM WebSphere**, **Oracle WebLogic**, **Red Hat JBoss** and **Apache Tomcat**.
* Hands on experience with **build tools** like **Maven**, **Gradle** and logging tools like **Log4J** .
* Strong Interpersonal skills for communicating with developers at various levels and able to establish communication with offshore teams.

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| **Java/J2EE Technologies** | Servlets, JSP, JDBC, JMS, JFC/Swing, Multi-threading, Hibernate, JPA. |
| **Programming Languages** | Java JDK , C++, C, SQL, PL/SQL. |
| **Application/Web Servers:** | Oracle , WebLogic, IBM WebSphere, JBoss, Tomcat, Cucumber. |
| **IDEs** | Eclipse, Spring STS, IntelliJ. |
| **Web technologies** | HTML5, CSS3, XHTML, JavaScript, TypeScript, Ajax, jQuery, AngularJS, Angular 4/6, ReactJS, Node.JS, Vue.JS, Backbone.JS JSON, Swagger UI, Bootstrap.  |
| **Cloud Technologies** | AWS, PCF , AZURE,AWS Lambda. |
| **Web Services** | JAX-WS, JAX-RS, SOAP, REST, SOAP UI, Microservices. |
| **Methodologies** | Agile, Scrum, TDD, SDLC. |
| **Message Brokers** | Kafka, TIBCO. |
| **Testing technologies/tools** | JUnit, JMeter, Mockito, Karma, Postman. |
| **Database**  | Ora SQL Server, MySQL, PostgreSQL, MongoDB, Cassandra. |
| **Version Control** |  SVN, Git, Bitbucket, Gitlab, GitHub. |
|  **Build Tools** | Maven, Gradle. |
| **Spring Tools** | Spring MVC, IOC, AOP, JDBC, Spring Boot, Spring Micro services, Spring REST, Spring Cloud and Feign Client. |
| **DevOps Tools** | Docker, Kubernetes, Jenkins. |

**PROFESSIONAL EXPERIENCE:**

**Client: Siemens INC. St. Louis, MO June 2019 – Present**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Worked on End to End Design, Development and Testing of Streamlets module. Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Followed **Agile** methodology in the **Scrum** model.
* Worked on **React JS** and **Node.js** to structure **JavaScript** code in an MVC model (**Model-View-Controller**).
* Worked on **HTML 5**, **CSS3** and **AJAX** to build a responsive **single-page application**.
* Created the Application using **React JS** and **Node.js** libraries NPM, gulp directories to generate desired view and flux to root the URL's properly.
* Developed the various feature of the application using front end technologies like **Backbone JS** and **React JS**.
* Designed user interface for users to interact with the system using **jQuery, JSON, JavaScript, HTML, CSS,** and Bootstrap.
* Extensively worked on **Java 8** features like **lambda expressions** for communicating between business layer and database, **Stream API** for Bulk Data Operations on Collections using both streams and parallel streams.
* Implemented Multithreading to achieve an asynchronous mode of communication for the processes in the application.
* Worked on security updates and issues found with **Vue.js** and all project dependencies.
* Developed **Session Beans** for fetching the data and updating information.
* **Eclipse RCP** used as Java IDE tool for creating **POJO, Servlets and Data Access Objects.**
* Managed and Configured Web Servers like **Apache Tomcat** and Web containers like **Nginx** .
* Implementing or exposing the Microservices architecture with **Spring Boot** based Microservices interacting through a combination of **RESTful** and **Apache Kafka** message brokers.
* Implemented fail safe and **circuit breaker** patterns in **Spring Boot Microservice** applications using **Hystrix**, configured **Swagger-UI** to registered Microservice with **Eureka server** and monitored service health check from **Spring Boot** admin console and **Spring Ribbon** for load balancing.
* Implemented **Swagger/Swagger UI** to streamline endpoint documentation and deployed scalable, highly available and modular software products.
* Implemented pre-authentication and data base security using **Spring Security** and securing application access and **Spring Batch** for scheduling and maintenance of batch jobs.
* Creating **Linux** scripts for scheduling the **ETL** codes through Control M Scheduler jobs.
* Worked on **Spark streaming** with **Java** to consume real-time data from the **Kafka** cluster and run arbitrations.
* Implemented **Spring ORM** with **Hibernate** taking advantage of features like **Annotation** metadata, **Auto wiring**, and **Collections** to implement **DAO** layer with **Hibernate** **Session Factory**, **HQL**, and **SQL**.
* Extensively worked on **Hibernate** concepts such as Lazy loading, Dirty checking, Locking, and Transactions.
* Created and managed **MongoDB**/**NoSQL** collections. Developed Server side automation using **Node.js** scripting and connecting different types of SQL and NoSQL databases.
* Worked on **MongoDB** database concepts such as locking, transactions, indexes, replication, schema design.
* Experience with building **Docker Images** and running them on Docker container.
* Integrated **GitLab** into Jenkins to automate the code checkout process.
* Worked on Unit testing of application and actively participated in debugging using **JUnit**, **Mockito**, and built the packages using Maven built tools and deployed the application on **Oracle** **WebLogic** Application Server locally, as well as coordinated with the DevOps team to deploy the application onto cloud using **AWS**.
* Developed fact classes and rules file in JBoss **Drools rule engine** to customize EPA emails.
* Experience with **DevOps** methodologies, implementing **CI/CD Pipelines** using tool sets like **GIT**, **Jenkins** and **Chef**. Setup the continuous Integration (CI) process and continuous deployment (CD) jobs in **Jenkins** brew master instance, which reduces the time for the deployment of **micro services**.
* Developed **Rest API’s** to processes the data from Database to another Rest Service and created containers for the API’s using Docker.
* Worked on building reusable framework for consuming and providing **REST** API’s using Java/ Node.js / Swagger.
* Performed **Rest** API testing using **Postman**.
* Developed and performed test cases using **Karma** in the unit test, and used the protractor and Http-server for the End2End testing.
* Designed, configured and deployed **Amazon Web Services** for large number of applications utilizing the **AWS API gateway** and ELK (**Elastic search**, **Kibana**, **Logstash**) stack focusing on high availability and fault tolerance that is produced by **Apache Spark cluster**.
* Managed **Docker** orchestration and **Docker** containerization using **Kubernetes**.
* Implemented high availability with **Azure** Classic and **Azure** Resource Manager deployment models.
* Worked with several testing frameworks such as **JUnit**, **Mockito** and **Power Mock**.
* Identified and fixed the production issues and defects which were tracked using **JIRA** tracking portal.
* Created **Test automation** framework using **Selenium** web driver.

**Environment: Java 8, Spring Boot, MVC, Hibernate, MongoDB, Node.js, Vue.js, AJAX, XML, Oracle , Docker, NGinx, JQuery, Kubernetes, Karma, Multi-threading, Swagger UI, Selenium, Agile, Hystrix**,  **AWS, AZURE, Design Patterns, Mockito, Git, GitLab, Apache Maven, Oracle WebLogic, HTML 5, XSLT, RESTful Services, JIRA, Postman.**

**Client: Blue Cross Blue Shield (BCBS), Chicago, IL July 2018 – May 2019**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Worked with complete flow and found various gaps in current system Designed the new flow for faster creation of reports and posting. Removed complex logics and built more stable and simple code logics.
* Worked on capturing the business requirements, design, development and testing of the application.
* Prepared **User stories** corresponding to the features taken from **Backlog.**
* Worked on **Java 8** features like **Lambda expressions** and **Stream API** for Bulk data operations on **Collections** which would increase the performance of the Application.
* Worked on Middleware persistence framework **JPA**  for mapping Java classes using **Java Persistence Query Language** (JPQL),Queries, Criteria, Projections.
* Designed a responsive website using **Bootstrap** grid system to layout contents that fit different devices including mobile, tablet and desktop.
* Built Web pages that are more user-interactive using **AJAX, JQuery**.
* Worked on creating log-in authentication modules using **AngularJS** and **JavaScript**.
* Developed a cross-device/browser web application for location sharing utilizing **Angular 6, JavaScript API**.
* Integrated the Java code (API) in **JSP** pages and responsible for setting up **AngularJS** framework for UI development.
* Developed **HTML** views with **HTML5, CSS3, bootstrap and Angular 6**.
* Using **AngularJS** created Responsive Web Design and did data manipulations to display data in company standard format in UI.
* Worked on **AngularJS**, used its two-way data binding to achieve the feedback functionality from the user.
* Worked on **AngularJS** to achieve the client-side elements Hide, Show, Event Handling and **AJAX** Call on **JSON** response.
* Enhanced legacy application by building new components in **Typescript** and Developed single page applications using **Angular 4**, **Typescrip**t, web pack and grunt.
* Worked on **Node.js** and **Spring Boot** implementing RESTful web service.
* Hosted and consumed **RESTful** Web services using **JAX-RS** API with spring Boot.
* Developed Micro services using RESTful web services to provide all the **CRUD** capabilities.
* Worked on **Executor Service** framework to implement **multithreading** in programming to improve overall performance.
* Design and Development of High Performance CPD processes by using **Multithreading**.
* Used **Multithreading** and **JDBC** to process the Bulk Disclosure files.
* **Worked on Spring Ribbon for load balancing and used fail safe methodology using Circuit Breaker pattern with Hystrix/Dashboard** on designing and implementing **Microservice** applications.
* Responsible for implementing frontend features, APIs, internal Tools and processes in **Node.js** centered stack.
* Built **Microservices** for the delivery of Purchase Order module using **Spring cloud**.
* Worked on the **OAuth** for accessing the cloud storages like Box, one drive, Google Drive, Drop box.
* Worked on Camel-based integration middle-ware solution for Provisioning Services by design and Implementation of business logic and data processing routes using **Apache Camel**.
* Implemented **Kafka** producer and consumer applications on **Kafka** cluster setup with help of **Zookeeper.**
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Responsible for configuring, integrating, and maintaining all Development, QA, Staging and Production **PostgreSQL** databases within the organization.
* Worked on backup, recovery, and upgrading of all of the **PostgreSQL** databases.
* Deployed **Docker** contained Spring **REST** services on to **AWS EC2** container service using **AWS** admin console
* and used lambda to run applications in **AWS** console.
* Used **Elastic Beanstalk**for deploying and scaling web applications developed within **Java**platform in pre-production Environment.
* Configured virtual hosts and transports for **WebSphere** application servers.
* Developed unit test cases using **Mockito** **framework** for testing accuracy of code and **logging**is done using **SLF4j + Log4j**.
* Executed Load **JMeter** scenarios based on complex business scenarios with different monitors for Stress testing, Scalability testing, Failover testing, and Load testing.
* Automation test cases using **Postman, Selenium** and automation release acceptance and regression sets of test cases.
* Configured **Swagger** for auto-generated documentation for all REST API calls.
* Worked on **Gradle** build tool to assemble, build and test the application.
* Mainly used **Git source control – Bitbucket** to track and record the progress and work done while developing the application.
* Used JIRA tool extensively for Bug tracking and monitoring the task assignment in the application.
* Worked on Atlassian SDK, **JIRA** Java API, JIRA REST APIs and JIRA plugin development
* Worked on building and deploying multi module applications using **Gradle** and **CI** servers like **Jenkins**.

**Environment: JAVA/J2EE, HTML, JSON, XHTML, JS, AJAX, JQUERY, CSS3, JSP, Node.js, AngularJS, Angular4/6, TypeScript, JSF, Hystrix, Bootstrap, XML, XSLT, AWS, Kafka, WebSphere, Selenium,** **REST, PostgreSQL, Spring Framework, Spring Boot(Microservices), JMS,** **JAX-RS, Gradle, Zookeeper, Eclipse, Jenkins, JMeter, Mockito, Docker, Postman, OAuth, Spring MVC, JIRA, Spring framework DI, AOP, JPA, Rally, Apache Camel.**

**Client: American Express. Phoenix, AZ  September 2017 – July 2018**

**Role: Sr. Java Developer**

**Responsibilities:**

* Worked on **Spring** Framework for **dependency injection, integration** of **Hibernate** using **Spring ORM support,** development of **REST**ful **web services** to give **JSON** output**.**
* Created, Upgraded, and Maintained the **JavaScript** libraries and widgets so that the data is managed the same way regardless of when the form was developed.
* Worked on **ReactJS** for creating interactive UI's using One-way data flow, Virtual DOM, JSX, **React** Native concepts.
* Worked on **ReactJS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Worked with **React** Router for developing Single Page Applications SPAs.
* Worked on many custom modules and widgets using **React JS/CSS/HTML** and made those cross-browsers consistent.
* Worked with modules like **MongoDB** for database persistence using **Node.js** to interact with **MongoDB.**
* Used **Spring MVC** front controller to handle requests from dispatcher servlet to handle incoming requests.
* Configured **Spring MVC** from scratch using **XML configurations, namespace handling, Spring security** set up and giving access to resource, wrote code to transform **XML** documents using **JAXB Marshalling** and **Unmarshalling** using Spring Injections.
* Developed the applications using **SPRING** framework including **Spring Core, Spring WS, Spring MVC,** and **Spring Integrations design pattern**
* Worked with **Hibernate** in **persistence layer**, **Hibernate** mappings using **Annotations, HQL, Criteria** and **Queries.**
* Worked towards delivering solutions using **TIBCO** Suite of Products includes **TIBCO** Business Works (BW) and **TIBCO** EMS.
* Worked on Design and Development **of RESTful API.**
* Developed Microservices to provide Rest **API's** utilizing **Spring MVC**
* Worked with **SOAP UI**, **JAX-WS** to create Web Services and consuming the existing services.
* **REST web services** are created - Spring with Jackson Mappers exchange data using **JSON data structure.**
* Used **SVN** for source Version Control, resolving code conflicts and merging code base**.**
* Worked on creating automation test scripts using **Cucumber**.
* Deployed the application in **Web Logic Application Server.**
* Developed **Linux Shell scripts** to automate repetitive database processes.
* Worked on **Cassandra** Architecture, **Cassandra** data modelling & experience in installation, configuration and monitoring Multiple DataStax Enterprise **Cassandra** cluster (B2B & B2C).
* Worked on evaluating and setting up **Cassandra** Databases on **AWS** and BareMetal systems for non-production environment.
* Deployed, Scaled, Configured, wrote manifest file for various Microservices in **PCF**.
* Worked on **Maven** for dependency management, build applications and deploy to the containers, application servers and create versions in the repository.
* Worked with version control systems like GIT and used Source code management client tools like **GitHub.**
* Worked on **JUnit** for unit testing of the application and **log4j** for logging.

**Environment: Core Java, Spring, Hibernate, SVN, Apache, Eclipse, Log4j, JUnit, XML, XSD, JAX-WS, ReactJS, Node.js, JQuery, HTML 5, bootstrap, JavaScript, Cucumber, TIBCO ,MongoDB, WebLogic, Linux, PCF, Maven, Cassandra, Maven, Cassandra, GitHub.**

**Client: Aurobindo LTD. Hyderabad, India March 2015 – July 2017**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Worked on analysis, design and development phases of Software Development Life Cycle (SDLC).
* Worked on **Agile** Methodology for building End to End Project management.
* Developed UI modules using **HTML, JSP, jQuery, Bootstrap, JavaScript and CSS**.
* Used **AJAX** in JSON format for asynchronous request handling and partial refreshing by the user.
* Developed reusable, interoperable Web service modules based on SOA architecture using **SOAP, WSDL** and **RESTFUL**.
* Extensively Worked on JSP, HTML, and XML for the designing the GUI framework and presentation stratum. Confirming the validations of the customers with the help of JavaScript
* Designed and developed application based on **Spring MVC**. Used **Spring IOC** for dependency injection and **Spring AOP** for cross cutting concerns like logging, security and transaction management.
* Developed Application using **Spring MVC Framework** by implementing Controller, Service classes. Implemented spring framework **Bean Factory** & application Context for bean initialization and configurations.
* Developed Apache **Maven** Project management tool POM file to automate the build process for the entire application such as manage project libraries, compiling, preparing war file and deploying.
* Worked on **Hibernate** as an Object Relational Mapping (ORM) Tool for the backend data persistence.
* Developed and maintained the data layer using Hibernate and used **Spring ORM** to integrate with Hibernate.
* Developed application database objects Stored Procedures using **SQL and PL/SQL** to interact with database.
* Worked on **MySQL** database to save and retrieve data about payment information and user subscription.
* Used JDBC in order to establish and maintain connection with the **MySQL** database from the Java Spring Data Layer.
* Wrote**SQL** queries, stored procedures and enhanced performance by running explain plans.
* Created and injected spring services, spring controllers and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Designed and Implemented **REST** web services using **JAX-RS**, **Spring REST.**
* Worked on **Jenkins** for Continuous Integration builds.
* Configured **Subversion (SVN)** repositories to utilize a post-commit hook which notifies **Jenkins** that a build needs to start.
* Worked on **WebSphere** server configurations, Connection Pooling, MQ Series Queues set up for messaging.
* Used XML for the data exchange and used SAX and DOM parser to extract and read required information.
* Used **Log4j** to capture log that includes runtime exception and logging are helpful in debugging the issues.
* Developed the Hibernate mapping files and involved in writing **JUnit** test cases and suits using **Eclipse** IDE.

**Environment: J2EE, Java, Servlets, JSP, JDBC, JQuery, HTML5, XML, Spring Hibernate, Web Services, JUnit, Log4j, SOAP, XML, JavaScript, UML,** **JAX-RS , JAX-RPC, JUnit , WSDL, AOP, XML, MySQL, IBM WebSphere, Maven, Jenkins, SVN, AJAX, jQuery, RSA.**

**Client: Tapadia Tech, Hyderabad. India  May 2013 – Feb 2015**

**Role: Software Engineer**

**Responsibilities:**

* **Worked on Analysis and Design of the Project, which is based on MVC (Model-View-Controller) Architecture and Design Patterns.**
* Optimized the code and database to maximize the performance of **Designed Enterprise Application** using the **MVC**(Model View Controller) architecture.
* Wrote **JavaScript** validations on the client side.
* Worked on the Common **UI** layout for defining the Header, Footer and Menu using **JSF Facelets**.
* Worked on testing Web Services using **Soap**UI tool, request and response xml.
* Created UML **Use Cases**, **Sequence diagrams**, **Class diagrams** and **Page flow diagrams** using **Rational Rose**.
* Designed and developed UI using **HTML**, **JSP** and **Struts** where users have all the items listed for auctions.
* Developed **ANT** scripts for builds and deployments.
* **Developed Controller Servlets, Action and Form objects for process** of interacting with **Oracle** database **and retrieving dynamic data.**
* Listed Day wise transactions in the browser using **Servlets.**
* Code complex **SQL** Join queries for reporting which include hundreds of different variations of reports Responsible for coding **SQL** Statements and **Stored procedures** for back end communication using **JDBC**.
* Worked on writing Detail Design Documents with **UML** Specifications.
* Responsible for packaging and deploying components into the **Tomcat**.
* Performed proactive **UNIX** duties, including patch management and software upgrades
* Used **java IO** to create reports, which were to be mailed to manager every hour.

**Environment: Core Java, Java Beans, JSP, MVC, JBuilder, JavaScript, SOAP, Servlets, JDBC, LOG4J, XML, XSLT, HTML, Struts, SAX, DOM, Tomcat, UNIX, SQL, Oracle.**