Mary K Email: maryk3241@gmail.com

Senior Full Stack Developer Phone: +1 (470) 310 – 3235

**PROFESSIONAL SUMMARY:**

* Skilled IT Professional experience in design, development and maintenance of disturbed web-based applications and client/server applications using **Java/J2EE** and web technologies.
* Expertise in **SDLC (software Development life cycle)** for designing, implementation, deployment and maintaining methodologies like **AGILE (Scrum), and WATERFALL.**
* Broadly experienced in Design, Development, execution, software analysis, and testing of Object-Orientated and web-based Enterprise Applications utilizing the most recent web advances.
* Proficient in UI design, developed Front End using **JSP, HTML5, CSS3, JavaScript, Ajax, jQuery, AngularJS, Angular 4+, ReactJS** and have knowledge on **BackBoneJS**.
* Expertise in **Angular 2.0 framework** and its ability to create simple and scalable code for **SPA** and worked on Angular 2 TypeScript SPA domains.
* Knowledge in developing User Interface (UI) Rich Web Applications, and Web Service Applications using Front End/User Interface (UI) technologies like **Object Oriented JavaScript, Type Script, Angular 2.0, Angular 6, Angular JS, Node JS, Bootstrap, Media Queries, CSS Frameworks, Java.**
* 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, Java Reflection, Synchronization, De-serialization, Garbage Collection** and generics and features in **Java 8** like **Lambda expressions, Method Referencing** and **Stream API’s.**
* Competent experience in **JDBC, Servlets, JSP, Java Beans, JMS, Spring, Hibernate** and **Web services** focusing on effortless backend functioning.
* Experienced in developing web-applications using various design patterns, including session **facade, MVC, Data Access object, Singleton** and **Factory pattern**.
* Strong experience in Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JPA, Spring Dashboard, Spring Boot for Microservices, Spring Rest, Spring Eureka, Spring Netflix, Spring Batch.**
* Implemented the **Microservices** to base on **RESTful API** utilizing Spring Boot with Spring MVC. Worked on SOA Web Services using **SOAP** with JAX-WS for large blocks of XML data over HTTP.
* Expertise in using Java IDE’s tools such as **Eclipse, Sublime, IntelliJ** for Java/J2EE Application development.
* Decent experience with **Kafka message Queues, RabbitMQ, JMS** and performing analytics for streaming data in real time using **Apache Spark.**
* Experience **in database modeling, design** and **development** of **PL/SQL** stored procedures, packages in relational databases: **Oracle, SQL Server, DB2, PostgreSQL and MySQL.**
* Proficient in handling relational database technologies and tools like **T-SQL, Microsoft SQL Server, MySQL, Oracle,** and experience in **NoSQL** databases like **MongoDB** and **Cassandra.**
* Good Experience in using **Amazon Web Services** (AWS). Extensive experience focusing on services **like EC2, Elastic Beanstalk, CloudWatch, CloudFront, CloudFormation, IAM, S3, RDS, Elastic Cache, SNS, SQS, AMI.**
* Worked with **Docker** for convenient environment setup to test the environments.
* Used **Kubernetes** to orchestrate **Docker** containers, configure the pods to run the application and AMI’s to create **Docker Images/ containers.**
* Experienced in designing and implementing event-driven microservices using **Apache Kafka** and deployed with **Kafka Elasticsearch.**
* Competent experience in performing **unit testing** using **JUnit, Test NG, Mockito,** integration and deployment of applications using tools such as **ANT, MAVEN, Gradle, Jenkins** & debugging through **log4j** and **Splunk.**
* Excellent experience in unit testing using **Karma, Jasmine, automated testing using Junit, TestNG, Selenium (IDE/Web driver), Integration Testing using Continuum, Selenium, Hudson,** and **Apache Camel.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Web Technologies** | Java Servlets, JavaScript, jQuery, TypeScript, XML, HTML5, DHTML, XHTML, CSS3, AJAX, JSP. |
| **Java Technologies** | JSP, Servlets, JDBC, JMS, JFC/Swing, Struts, Hibernate, JPA. |
| **JavaScript Technologies** | React, Redux, AngularJS, Angular, jQuery, EXT.js, Backbone.js, Vue JS |
| **Database** | Microsoft SQL Server, Oracle, MySQL, MongoDB, Redis, Cassandra, CouchDB. |
| **Web Services** | RESTful, SOAP. |
| **Testing frameworks** | Junit, Jasmine, Karma, Jest, Log4j, Mockito. |
| **Operating Systems** | Windows, UNIX, LINUX, Mac OS. |
| **Web Servers** | WebSphere, WebLogic, JBoss, Tomcat, Jetty, Apache Tomcat. |
| **Repositories** | Git, Bitbucket, Gitlab, SVN |
| **Logging Tools** | Log4j, Splunk. |
| **IDE Tools** | Eclipse, IntelliJ, Spring Tool Studio, Visual Studio. |
| **Cloud Environments** | AWS, CloudWatch, EBS, Lambda, PCF, Kubernetes, Azure |

**WORK EXPERIENCE:**

**KEYBANK – BROOKLYN, OH April 2018 – December 2020**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Extensive use of **Agile** practices and **Test-Driven Development (TDD)** techniques to provide reliable, working software early and often.
* Designed and developed interactive web-based user interface using **HTML5, CSS3, TypeScript, Angular 6, Vue.js and Bootstrap.**
* Used **Angular http service** for server communication and seamless user experience.
* Developed **Web API** using **MVC Framework** for all business logic and exposed to the front-end interfaces.
* Utilized **Angular 6 framework** and Web pack module loader to create a **Single Page Application (SPA)** which can bind data to specific views and synchronize data with server.
* Developed pages using **Angular 6** for reusable components like multi-field from elements and background file uploads in the application to restore the components.
* Implementation of the design **Wireframe** using **Angular 6** and creating services and exposing it to the backend which runs on **Spring Boot** and manages application layer using **Node.js** mainly for authentication, authorization, and session maintenance.
* Used User Interface components, **Angular directives, controllers, view and routing, service modules, validations using HTML5,** applying styles using **CSS,** used **jQuery** to make Ajax calls.
* Implemented asynchronous **Multi-threading** processing of files **(Java Message Service, Message Driven Beans, PL/SQL, and Triggers).**
* Used **Core Java** for application development along with **Spring, Restful web services, Cassandra, and JMS.**
* Implemented **Spring MVC** framework which includes writing Controller classes for handling requests, processing from submissions and performed validations using Commons validator.
* Used **Java 8** features technologies and **Spring Boot Framework** for developing and deploying the **Spring Web applications** and **Microservices.**
* Developed batch jobs by developing item readers, processors using **Spring Batch** and scheduled them using **Spring quartz scheduler.**
* Exposed **Restful web services** using JAX-RS and implemented **Angular 6** promises to handle asynchronous communication with our **Restful API** for various.
* Used **jQuery** to make **Restful API** calls and Designed/Documented REST APIs for collection and retrieval of high data.
* Designed and developed **Microservices** based business components and **RESTful** service endpoints using Spring boot.
* Worked with **Microservices** by using **Node** and **NoSQL** database like **MongoDB.**
* Expertise in using **Spring Cloud-Netflix** OSS stack for microservices deployment and auto configurations like **Eureka** which is a service-Discovery, Ribbon is used for Dynamic Routing and load balancing tool, **Hystrix** is used as a **circuit Breaker, and ZUUL for Edge proxy.**
* Used **Postman** to test the RESTful API for HTTP requests such as **GET, POST, PUT** and **DELETE** also used SLF4J for configuring and customizing logging.
* Implemented **Spring Data JPA** framework to use features of **Spring JDBC** and **ORM** to interact with underlying **MYSQL** database. Used Spring JDBC API to talk MySQL Database for read/write operations.
* Worked on **Scrutiny** with the aspects of security and authentication using **OAUTH 2.0** and **Spring Security.**
* Unstructured data was handled using **Mongo DB** and used Mongoose connector for connecting to database and executed **MongoDB** scripts and queries to fetch and test data from **SQL** databases.
* Created **JSON** Data and stored as documents compromising documents, data types and conversions in **MongoDB.**
* Worked on **MongoDB** concepts such as locking, transactions, indexes, Sharing, replication, schema design.
* 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 microservices.
* Implemented **Amazon Web services (AWS)** like **EC2, S3, Cloud watch** and **Elastic Bean Stalk** for code deployment.
* Deployed the application on **Apache Tomcat,** and **Proxy webserver.**
* Handled consumer logs and monitor **Kafka Metrics** using **Kafka manager.**
* Handled messaging services using **Apache Kafka.** Configured Kafka to read and write messages from external programs and to handle real time data.
* Enabled continuous delivery through deployment into several environments of development, Test and Production using **Maven** and **SonarQube.**
* Configured the **JaCoCo** in Jenkins for code coverage.
* Worked with several testing frameworks such as **Junit** and **Mockito.**
* Deployed the Unit.js testing framework along with **Jasmine, Karma, Mocha test runners.**

**Skills:** TDD, HTML5, CSS3, CSS, Angular 6, Vue.js, Bootstrap, Java 8, Spring MVC, Spring Boot, Spring batch, Karma, Multi-Threading, Junit, Node.js, jQuery, Maven, Microservices, Netflix, Eureka, Kafka, Jenkins, GIT, MySQL, NoSQL, Tomcat, AWS, Eclipse, Jasmine, Mockito, SonarQube, JaCoCo, OAUTH2.0, Spring JDBC, RESTful, Postman, MongoDB, Cassandra, AJAX, JSON, JMS.

**MOLINA HEALTHCARE INC – DETROIT, MI October 2017 – April 2018**

**Java Full Stack Developer**

**Responsibilities:**

* Participated in design and development phases of **Software Development Life Cycle (SDLC)** process.
* Built web applications with technologies like **AJAX, HTML5, CSS3,** and preprocessor **CSS** like **SASS, SCSS Less, Bootstrap and JavaScript.**
* Created **GUI’s** using **XHTML, XSLT, XML, Servlets, JSP, Custom Tag Libraries, Tiles.**
* The application built created was a **Single Page Application (SPA)** using **React, Redux, Ext.js, Backbone.js** with **NodeJS** ease of view to the user.
* Used **React Observables** to create custom components for data manipulations and to display data in company standard format.
* Implemented the front-end application with **React** and used React Class component as state class for general stateful management.
* Expertise in designing and developing stable **React components** and stand-alone functions to be added to any future pages.
* Imparted mobile responsiveness to the web design using **Bootstrap, CSS Modules and Media Queries.**
* Designed a **JSON** structure using Ext.js **Tree API** that provides drag and drop elements and used third-party API to transfer data between **Spring MVC** and Ext.js.
* Designed the front-end applications using web technologies like React and used Twitter Bootstrap for creating grid layout, responsive screen sizes and devices.
* Built an entire web-based application on client side by using the **Spring Boot Framework.**
* Built the **REST-full web APIs** from scratch using Swagger and deployed them on serverless **AWS** instances.
* Used various **API** management tools like **RabbitMQ, Apigee** and **Swagger** for API management across various platforms.
* Used **Apigee** to check the functioning of the **API’s** across application for better communication.
* Auto generated documentation for **Rest API** calls using **Swagger.**
* Implemented crucial business logic requirements using Spring features like **Spring MVC, Spring Boot, Spring Data, and Spring Security.**
* Implemented Spring boot microservices to process the messages into the **Kafka cluster** setup.
* Segregated the security data into properties files and configured the build process using **XML** configurations as an alternative to Java Annotations.
* Built the application leveraging Spring features **like Spring AOP, Spring IOC/DI** using custom **MVC Frameworks** based on **Struts.**
* Used **Microservices** architecture, with **Spring Framework-based** services interacting through a **REST.**
* Developed **Microservices** with Spring and tested the application using **Spring Boot.**
* Implemented the clear separation functionality in the micro-services of the application using **Spring Boot** and coupled all of them using **REST and AWS API Gateway.**
* Implemented the application with various features of **Java 8** like: **API stream, Collection API and Lambda Expressions.**
* Implemented **Multi-Threading,** so that the processes in the application will have an asynchronous mode of communication.
* Used **Hibernate** in **Spring Boot framework** for mapping Java Objects to the relational database; implemented for data persistence for integration of hibernate and spring.
* Used **NoSQL** databases like **MongoDB** for storing and retrieving the data, dealt with complex **SQL queries** for the transactions related to the data related to the customer.
* Implemented **Elastic search** for the clustering of all the **API services** of the application.
* Used Jenkins pipelines to drive all microservices builds out to the **Docker** containers deployed on cluster nodes and managed using **Kubernetes.**
* Extensively used **Docker** for **containerization, running, shipping,** and **deploying** the application securely to speed up the build and release processes. Also, automated **docker** image builds by creating docker files.
* Launched **Kubernetes** to provide a platform for automating deployment, scaling and operations of application containers across **clusters of nodes.**
* Communicated with the **DevOps** team to build the application using Jenkins to automate branch server.
* Mainly used **Git** source control **Bitbucket** to track and record the progress and work done while developing the application.
* Involved in Unit testing of application and actively participated in debugging using **Junit,** and built the packages using **ANT** built tools and deployed the application on **Oracle WebLogic Application Server.**
* Worked on **Gradle** build tool to assemble, build, and test the application.
* Extensively used **JIRA** tool for **Bug tracking** and monitoring the task assignment in the application.
* Expertise in performance testing of the **SOAP** Web Services and APIs which is performed by **SOAP UI** and **Apache JMeter** tools.
* Used **Karma** for Unit testing the front-end components and to test scripts across various browsers.

**Skills:** HTML5, CSS3, CSS, Boot Strap, JavaScript, Java 8, XHTML, XSLT, XML, Multi-Threading, Servlets, Redux, JSP, Karma, JSON, Spring MVC, AWS, Apigee, Struts, RabbitMQ, Swagger, REST API, Kafka cluster, Spring AOP, SOAP, Lambda, Ajax, Hibernate, NoSQL, MongoDB, Kubernetes, Git, Bitbucket, JIRA, Jenkins, Docker, Oracle, Gradle, Microservices, Junit,

**ADP – ROSELAND, NJ January 2016 – October 2017**

**Java/J2EE Developer**

**Responsibilities:**

* Involved in implementation of the presentation layer **GUI** for the application using **JSF, HTML, jQuery, Java Servlets, CSS, and Java Script.**
* Used angular modules, and created reusable components, **Pipes and services.**
* Integrate the dynamic pages with **Angular JS** and **jQuery** to make the pages dynamic.
* Used **Angular UI** Model component for a cleaner user sign up procedure.
* Implemented **AngularJS** application to follow **Strict MVC** patterns for improved source code maintenance.
* Set-up **Spring** and **Hibernate framework** by adding configuration in web.xml file. **Hibernate** annotation for data mapping.
* Worked over **Web Services** with **SOAP** and **RESTFUL**, for integration with legacy systems on Axis frameworks.
* Used **Microservices architecture,** with **Spring Framework**-based services interacting through a **REST.**
* Designed and developed **Microservices** based business components and **RESTful XML** web service endpoints using **Spring Framework** for handling **AJAX** requests.
* Developed **Spring Boot REST API** end points implementing messaging queue for a continuous delivery system.
* Expertise in **RESTful** for producing web services and involved in writing programs to consume the webservices.
* Developed **MAVEN** scripts for preparing **EAR, WAR** files used to deploy **J2EE** components.
* Worked in the development of **DAO** classes for the data access logic.
* Written **SQL queries, stored procedures, and triggers** to perform back-end database operations in **Microsoft SQL.**
* Developed **SQL** and **PL/SQL** stored procedures and prepared statements for updating and accessing data from **Oracle Database.**
* Used **Hibernate mappings**, relationships between tables and entity classes to access and update, joins etc. for testing and development purpose in local environment.
* Extensively used Jenkins as continuous Integration tools to deploy the **Spring Boot** Microservices to **Pivotal Cloud Foundry (PCF)** using build pack. Used Pivotal Cloud Foundry to quickly build, deploy and update the applications.
* Involved in coding, maintaining, and administering Servlets, and **JSP components** to be deployed on a **Web Sphere Application server.**
* Worked with **IntelliJ** and used Gradle build tool to achieve more functionally for build process.
* Extensively worked with **RabbitMQ** message broker which is used to transfer messages from our application to customers for payment confirmation details.
* Used **JIRA** as tracking system to track and maintain the history of **bugs/issues** on everyday basis.
* Involved in using **GIT,** for project management and version management.
* Test the services developed using **SOAPUI.**

**Skills:** HTML5, JSF, XML, CSS3, React.js, REST, SOAP, Struct, Angular, Microservices, SOAPUI, JavaScript, jQuery, Maven, Jenkins, Log4j, Servlets, Spring, Oracle, SQL, SOAP UI, Spring Boot, Hibernate, Maven, Ajax, RabbitMQ, GIT, JIRA, IntelliJ, PCF.

**EXCEL HR SOLUTIONS PRIVATE LIMITED – Bengaluru, India February 2014 – December 2015**

**Software Engineer**

**Responsibilities:**

* Developed the sophisticated use interactive web pages using web technologies like **HTML5, XHTML, CSS3, JavaScript,** and **Angular JS** as per company’s standards.
* Proficiently worked on Designing, Developing, Coding, Unit Testing, and Debugging.
* Created Front-end applications using **HTML, CSS, JavaScript, jQuery, Microservice** and **Bootstrap.**
* Used **UI** components, **Angular directives, controllers, view and routing, service modules,** validations using **HTML5,** applying styles using **CSS,** used **jQuery** to make **Ajax** calls.
* Extensive use of **Angular JS** for developing the Single page Applications for internal application/tool.
* Utilized **React & Redux** to maintain and manipulate states on company-end setting webpages and all the jobseeker-end webpages.
* Used **React.js** as a replacement for a new product which was built on electron.
* Worked with Core Java concepts such as Exceptional Handling, **OOP’S Concept, Polymorphism, Garbage Collection, Multi-Threading.**
* Consumed HP Extreme Service using **JAX-WS** to create PDF documents.
* Constructed Java component using IDE.
* Developed filters using **Pipes for utilization of sorting and searching techniques.**
* Set-up connection with oracle Database Server using **Servlets** and **JDBC.**
* Performed Object-relational Mapping by configuring **Hibernate,** mapping the data to the object, implementing **inheritance mapping, collections mapping** and **component mapping.**
* Code complex **SQL** join Queries for reporting which include hundreds of different variations of reports responsible for coding SQL statements and Stored procedure for back end communication using **JDBC.**
* Used **GitHub** for version control and **Log4J** for logging.
* Performed Unit Testing of web Confidential modules using **JUNIT** and Integration of Use Cases.

**Skills:** HTML, HTML5, XHTML,CSS,CSS3, JavaScript, Angular JS, SQL Queries, jQuery, React.js, JDBC, Microservice, Ajax, Bootstrap, OOP’s Concept, Polymorphism, Servlets, React, Redux, Garbage Collection, Multi-Threading, File I/O, Exception Handling, Junit, Hibernate, IntelliJ, GitHub, Log4j.