**Name: Mohan. N**

**Professional Summary:**

Over **9+ years** of solid working experience with Java/J2EE/JEE 7/8/11 on different OS such as **Solaris, windows, and Linux.**

* Expertise in **Analysis, Design, Coding, Testing and implementation** of Web and Windows based Applications in accordance with the best practice methodologies and complete Software Development Life Cycle.
* Used the best practices of **SDLC** as well as **Waterfall, Agile/SCRUM** and **TDD** methodologies.
* Demonstrated experience in the designing and building web based multi-tier Java applications using **Core Java, J2EE, JAX, JSF, JSP, EJB, JPA, JDBC, SERVLETS, HTML, CSS, JavaScript, XML, Spring, Hibernate, Web services** (SOAP and Rest based API) and various database systems.
* Expertise in developing Microservices using **Spring Boot, Kafka, and Thyme leaf.**
* Experience in designing Microservices-based applications and migrating legacy applications to **micro service-oriented architecture.**
* Very well experienced with various Spring modules like **Spring Core, Spring Data Access, Spring Boot, Spring AOP, Spring Security, Spring IOC, Spring MVC, Spring DAO and Spring Web framework.**
* Designed and developed various types of web-services such as **SOAP** and **Restful.**
* Experience in integrating **Hibernate** with spring framework.
* Hands-on experience in developing server-side JavaScript frameworks using **Node JS** (Hapi JS, Express JS) to build event driven, **non-blocking I/O model** web applications.
* Proficient in building Restful web service by building **Node.js** Server in the backend to handle requests sent from the front-end **jQuery Ajax** calls.
* Experience on Amazon Web Services (AWS) Component Usage, Configurations and Deployment - Elastic search, **EC2, S3, SNS, SQS.**
* Experience in database development and implementation using different **RDBMS** such as **ORACLE, MySQL,** and NoSQL databases such as **MongoDB.**
* Worked in using **ReactJS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Good Experience in **React JS** for creating interactive UI using **one-way Data flow, Virtual DOM, JSX, React Native concepts**.
* Expertise in **ReactJS** framework to develop the SPA and working with **React Flux architecture.**
* Worked on **docker** for containers and Kubernetes for orchestration.
* Extensive experience in Web application development using - **HTML, CSS, JHTML, JavaScript, Ajax, AngularJS, React JS.**
* Experience with Node JS along mean stack applications using **MongoDB, Ext. Js and Angular 7,8.**
* Experience as GUI developer using **JSP, Ajax, jQuery.**
* Experience in developing components using Enterprise Java Beans over Application servers and platforms such as WebSphere.
* Strong exposure working with **J2EE** design patterns like **MVC, Front Controller, and Factory Design pattern, Value Object, Singleton and Proxy Design Pattern.**
* Good experience with **Java OOPS** concepts like Multi-threading, Collections and Exception Handling.
* Strong experience in RDBMS technologies like **SQL, Sub Queries, Stored Procedures, Triggers, Functions.**
* Engineering web development, multi-tier applications, acting as all players from Database to user interfaces.
* Experience in building web applications using SPRING framework features like **MVC** (Model View Controller), **AOP** (Aspect Oriented Programming), **DAO**(Data Access Object), **Spring Boot, Spring Security, Spring Batch.**
* Experience in designing Low Level and **High-Level design documents.**
* Experience in deploying and configuring multi-tier enterprise applications on multiple servers such as **Web logic Server, JBoss, WebSphere and Tomcat, BEA WebLogic.**
* Excellent experience in designing and developing Enterprise Applications for **J2EE** platform using **Servlets, JSP, Struts, Spring, Hibernate and Web services.**
* Hands-on experience in handling message services using **Apache Kafka**.
* Closely worked with the team in configuring **Kafka** read and write messages from APIs.
* Strong Experience in developing test cases using **JUnit, Easy Mock** and **Spring** Test Case framework.
* Experience in **Amazon Web Services** (**Amazon EC2, Amazon S3, Amazon Simple dB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access**).
* Have very strong interpersonal skills and the ability to work independently and with the group, can learn quickly and easily **adaptable** to the working environment.
* Good exposure in interacting with clients and **solving application environment issues** and can communicate effectively with people at different levels including **stakeholders, internal teams, and the senior management.**

**Technical Skills:**

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| **Languages** | Java, Python, JavaScript, C, C++, PL/SQL. |
| **Java/J2EE Technologies**  | Java, JSP, Servlets JDBC, JNDI, JMS, JSTL, Java Beans, RMI, Java Multithreading, Generics and Collections, EJB, Tiles  |
| **Web Technologies** | HTML5, XML, DOM, CSS3, JavaScript, Angular 4/2, Angular.JS, XPath, AJAX, jQuery, React.JS, Redux, Bootstrap, Express JS, REST, SOAP, Microservices |
| **Methodologies**  | UML, Agile, Waterfall, TDD (Test-Driven-Development), BDD (Behavior Driven Development) |
| **Frameworks** | Spring, Spring Boot, Hibernate, MVC, Spring AOP, Struts, Swagger, Sleuth, and Spring Zuul |
| **CI/CD Pipelines** | Ant, Maven, Gradle, Docker, Kubernetes, Jenkins, AWS |
| **Design & GUI Tools** | Eclipse, NetBeans, RAD, IntelliJ |
| **App servers** | IBM WebSphere, Apache Tomcat, BEA Web Logic, JBoss |
| **Spring Tools** | Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Cloud, Swagger UI, Sleuth. |
| **Databases/Tools** | Oracle, SQL Server, My-SQL, PL/SQL Developer |
| **Design/Version Control** | CVS, SVN, Git |
| **Testing technologies/ tools** | JUnit, JMeter, Protractor, Mockito, Karma, Jasmine, Night watch, Mocha, Chai |
| **Operating Systems** | Windows, Linux, UNIX  |

**Professional Experience:**

**Client: American Airlines, Dallas, TX March 2023 - Present**

**Role: Full Stack developer**

**Responsibilities:**

* Involved in meetings with the business team to gather the requirements and understood the business criteria.
* Performed requirement analysis, design, development, and testing of the application using AGILE methodology.
* Attended daily SCRUM sessions with the team to discuss the progress of the application to meet the business deadlines.
* Engaged in developing the UI by using **HTML, jQuery, Angular 8** and **JavaScript** and used **AJAX** to make calls to other services.
* Experience in developing and supporting with API Management tool – APIGEE
* Good Understanding of APIGEE architecture.
* Used **Angular 8** to build the UI components, developed filters to display different dimensions of data and font size modifiers Developed container components as the logic layer for the UI components.
* Developed various screens for the front end using Angular 8 and used various predefined components from **NPM** (Node Package Manager) and redux libraries.
* Good experience in developing customized policies in Apigee Edge and developing API's in Apigee Baas.
* A user provision script developed using **Nodejs** which includes fetching files from SFTP server and creating users in l dap and database using rest API calls.
* Worked Extensively with**Angular CLI** for creating components, Services, pipes, Directives.
* Used **Node.JS** to structure JavaScript code to build Restful web services.
* Implemented generating the verification hash code using crypto package on **Node.JS**
* Developed modules using **Core Java APIs, Collections, Java 1.8(Streams), Jordan API (Dates), Multi-threading, Exception Handling, Generics, Enums, Java I/O** and object-oriented **designs patterns**.
* Used Lambda Expressions for communicating between business layer and database and coded in java 1.8.
* Java 11 **Stream API** for Bulk Data Operations on Collections using both Streams and Parallel Streams.
* Developed business components by using **Spring Boot, Spring IOC, Spring AOP, Spring Annotations, Spring Cloud & Persistence layer by using Hibernate/JPA along with Web Services** (RESTful).
* Implemented customized authentication in Spring Security to verify user-role and secure the user pages.
* Created architecture towards a **Microservices** approach using RESTful Web-Services by using Spring Boot.
* Used JAX-RS for creating Restful web service and implemented authentication by using **OAuth2** Security Framework.
* Implementation of **Hystrix** circuit breaker to avoid loss of messages during handling of messages at consumer level.
* Implementation of **Zulu** Proxy as the API gateway.
* Used Microservice architecture with Spring Boot-based services interacting through a combination of REST and **Apache Kafka** message brokers.
* Developed and consumed REST APIs for third party providers to get the data from client side using Oracle ADF framework.
* Performed Unit testing to check the performance of REST API.
* Used data format JSON to get the data from client and converted to object using Object Relational Mapper (ORM).
* Deployed microservices in **AWS docker** containers and developed them using Spring Boot.
* Deployed the Docker image of services building Docker files and built a continuous delivery pipeline for containers using AWS Code Pipeline and Amazon ECS.
* Deployed the Dockize Spring Boot application using AWS **Elastic Beanstalk** (EBS).
* Created **AWS Lambda, EC2** instances provisioning on AWS environment and implemented security groups, administered Amazon VPC’s.
* Deployed services on EKS instances and used Kubernetes for the orchestration.
* Implemented Spring Boot to the REST API to run the jobs daily as per engineering team criteria.
* Used REST template in REST client service to call the **REST API** webservice from Spring Boot Application.
* Used build tool Maven to build the maven dependencies using pom.xml in Spring Boot Application.
* Worked on **MongoDB** and wrote code on find, update, save, insert data.
* Worked on data extraction in loading **JSON** data from the server-side content into **MongoDB**.
* Performed End-to-End testing to see the consistency in responses getting from API and the data stored in Map-R database.
* Worked with Web Server Apache Tomcat to run the Spring Boot Application.
* Worked using Anthill and Jenkins to build and deploy the application in all Prod and Non-Prod environments
* Integrated **Swagger UI** and wrote integration tests along with REST documents.
* Developed all **REST APIs** using Hystrix commands and Feign clients for efficient fault tolerance and handling fallback mechanisms.
* Deployed Spring Boot based micro services Docker container using Amazon **EC2** container services and using AWS admin console.
* Configure Jenkins build Jobs for **(CI)** and **(CD)**

**Environment**: Java 11, Spring 5, Hibernate 4.2, Spring batch, Spring Boot, Microservices, MongoDB, JPA, Angular 8, HTML5, CSS3, Eclipse, SQL Server, Swagger UI, Log4j, Jenkins, JIRA, AWS Services, Pure XML, Web Services, Kafka, REST UI.

**Client: Egen, Naperville, IL August 2022 – Feb 2023 Role: Full Stack developer**

**Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing & User Acceptance Testing. Successfully followed Sprint planning and estimation for user stories in Agile Environment.
* Designed and Developed enterprise level angular component libraries such as data-tables, autosuggestion, pagination etc. Implemented **React JS** on server-side validations, to handle actions and Events and Encapsulation.
* Worked on a SAFE AGILE based methodology which brings new approaches and changes to the team every PI.
* Developed and designed the web interface using **HTML5, CSS3, JavaScript, jQuery, ReactJS, and Bootstrap**.
* Built the reusable service components using **ReactJS** Components with Object **Oriented JavaScript, jQuery, HTML, CSS3** based on the visual designs.
* Developed various ReactJS components to help build the functionality and UI behavior using JavaScript.
* Used **Redux** as a store for storing multiple states of a **React component**.
* Worked with unit testing of ReactJS applications using Jest and Spring Boot applications using **JUnit, Mockito** and performed end to end testing using **Protractor**.
* Worked on POC of high-end APIGEE innovative proxies and On-boarding API's.
* Used APIGEE Management APIs for certain operations.
* Designed FACADE design patterns for APIGEE using JAVA platform.
* Expert in **PHP Joomla Drupal** and **MySQL** with database analysis and design.
* Re-designing/ developing the main website to improve user experience and add new functionality and converting from **PERL** to **PHP**.
* Used **Redux Think** as a middleware for calling the APIs and setting the states with the **JSON** data.
* Worked with UI designers and User experience team to define screen designs. Developed angular partials based on UI screens.
* Consumer API's communicate to other services or API via APIGEE proxy, and some consumer's use Rabbit MQ as a medium to delegate messages.
* Thoroughly used **Java1.8 lambdas, HTML5** and CSS3 for application development.
* Developed the application using Java 8 and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces,** for each.
* Used a multithreaded environment to run processes asynchronously using different future calls to access the data.
* Extensively used various Spring Framework modules like **MVC, Dependency Injection (IOC), Auto Wiring, Spring Security and AOP. Created and injected spring services, spring controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Spring Boot **Microservices** were developed using Microservice architecture with RESTFUL and **Apache Kafka**.
* Exceptionally handled heavy traffic with the help of Spring Ribbon and Kafka broker service.
* Employed fail safe and circuit breaker patterns for the first time in Client’s email applications using **Hystrix** and **Hystrix** Dashboard in Spring Boot Microservice Applications.
* Implemented functionalities using Spring IO / Spring Boot with Thyme leaf and Hibernate ORM.
* Spring security is used for **authorization/authentication, session fixation, clickjacking, cross site request forgery**.
* Migration of Existing Application to AWS cloud. Used Amazon Web Services (AWS) like **EC2, S3, RDS, cloud watch** and CloudFront for promoting code in various environments.
* Experience in writing **PL/SQL** Stored procedures, Functions, Triggers and Complex SQL’s
* Implemented **hibernate** for **backend** and **database** communication with creation of **POJO** classes, **Controllers**, and **Repositories**.
* Docker containers were used to deploy the applications as part of scaling applications using Micro services and increasing isolation. Image creation, pushing and pulling of images was also part of deploying applications.
* GIT is used for the version control, Maven is used for build scripts and configured **log4j, .log** files.
* Using **JUnit** test in Eclipse, developed **Unit test cases** and **test suite**. Curl was also implemented to test.
* Used **JIRA** for project management, Issue tracking and monitoring errors and fixed the errors.
* Used **Jenkins** as the integration tool and improved scalability of applications on cross-platforms.
* Worked on **Karma** to unit test the Angular API modules.
* Track production incidents, identify and prioritize scope for bugs and enhancements, conduct reviews with State counterparts and plan releases.

**Environment**: Agile, Java 8, Spring 5, Spring Boot, Git, hibernate 4.2, SOAP, XML, AWS, Microservices, Data Structures and Algorithms, JavaScript, XHTML 1.0, AWS Services, Design Patterns, JUnit, REST, Web Services, ANT, Eclipse 4.3, Oracle 11g/12c, Apache Tomcat.

**Client: Sib edge, Cupertino, CA Dec 2019 - July 2022 Role: Java/UI Developer**

**Responsibilities:**

* Developed modules in Java and integrated with **MySQL** database using **JDBC**.
* Responsible for creating efficient design and developing User Interaction screens using **Angular 4, HTML5, JavaScript, jQuery, backbone.js, require.js, AJAX and JSON**
* Created paper **prototypes**, initial **Wire frames** and designed a **strategy** by collaborating with the designers
* Worked on handlebars for templates, bower as package manager
* Designed and developed various Screens using **JSP, JavaScript, HTML, and CSS**
* Used Nesting, Variable and Mixing features of **SASS** Preprocessor
* Mastered the **GRUNT** with commands for building and deploying the project. Used **Bower** for successfully implementing the dependencies.
* Designed Frontend with object-oriented JavaScript Framework like **Angular4, Node JS, Backbone JS, Require JS and Ext JS**
* Created **HTML5** navigation menu that is role-based menu items changes dynamically, derived from the database in the form of XML.
* Used **Angular4 (**for heavy DOM manipulation)
* Worked as a member of the Maintenance team and performed debugging of the code.
* Designed and developed web-based software using Java Server Faces, **Spring MVC Framework** and **Spring Web Flow.**
* Setup the class path for the Java JDK and managed the **Java Virtual Machine** (JVM) settings.
* Prepared client-side scripts using **Java** **1.7** and JavaScript.
* Used **Dependency Injection** (DI), **Inversion of Control** (IOC) concepts for developing an application and for obtaining the bean references in the Spring framework.
* Developed various service codes to provision the client applications and configured them with **Rest Web services.**
* Used **servlets** and **JSP** to develop the user interfaces.
* Interacted with the business teams and worked on modeling the database schema and created **Tables, SQL queries, PL/SQL Stored Procedures, Database Triggers.**
* Proficient in Core Java concepts like **Collections, Multithreading, Data Structures, Serialization,** and **JavaBeans.**
* Developed web applications using Spring MVC framework.
* Used Spring annotations and XML configuration for Dependency Injection.
* Implemented JSON strings to transfer java object data.
* Created Connections using **Spring JDBC** to the database (**MYSQL**) and developed **SQL** queries to manipulate data.
* Generated **Hibernate** configuration files hibernate mapping files and Hibernate Data Objects to communicate data in persistent layers.
* Represented the team in project meetings and during the client visits.
* Responsible for preparing formal testing plans and implementing test processes using JUnit.
* Designed and developed Use cases, Sequence Diagrams, and behavioral diagrams for new Alerts application from reference from RTC.
* Worked with Ajax for intensive user operations and client-side validations.

**Environment**: Java 1.7, JDBC, Servlets, Struts, JSP, Hibernate, MySQL, AJAX, HTML, CSS, Bootstrap, XML, ANT, Log4J, Maven, PL SQL, CVS, Windows, Linux, Net Beans, Apache Tomcat, SVN, MVC, Angular, CSS, HTML.

**Client: Dot Com Info way, India Oct 2017 - Nov 2019**

**Role: Java Developer**

**Responsibilities:**

* Developed the User interface using Front-end technologies such as **HTML, CSS, JavaScript, jQuery, and Bootstrap**.
* Developed applications using various design patterns in the project such as Business Delegate,
* **Data Transfer Object, Data Access Object, Service Locator** and **Singleton**.
* Responsible for developing the web-based admin portal to search the table for messages, view message details, facilitate manual adjustments and change logging levels using technologies such as **Spring MVC, JSP and JSTL tags, CSS, Ajax, Servlets** etc.
* Developed CDW core application to process claims, send messages to affiliates with claim information, and update the affiliates with HSA balance information, handle reversals and adjustments using **Core Java**, **Spring IOC, and Hibernate DAO** to maintain persistence and **XML** for Hibernate mapping.
* Developed CDW batch processing mechanism to process batch files and convert the records to messages for processing by implementing **multithreading** concepts, **JMS**, **MQ** and **Spring batch framework**.
* Worked extensively with **Ajax** and jQuery to dynamically load the content into web pages without reloading the pages.
* Performed client-side validations using **JavaScript** and jQuery.
* Worked extensively with Apache Tomcat web server for deployment of the application.
* Built & deployed scripts using **ANT** build tool and used **Log4J** for debugging of the code.
* Developed and implemented JSP custom tags for handling cross-site scripting errors.
* Developed middleware service components and DAO components using **Spring Framework** and **Hibernate**
* Performed XSLT transformations to match service requests from the client to the Web service.
* Developed **SQL** scripts and **PL/SQL** stored procedures for querying, populating, and retrieving data from SQL Server.
* Worked with Spring Interceptors to validate web service requests and send notifications to the subscribers.
* Used SOAP UI tool to generate request XMLs from WSDL to test the responses.
* Implemented Hibernate ORM and performed mapping of object classes to the corresponding database tables.

**Environment**: Java 1.7, Hibernate, Servlets, jQuery, JSP, Hibernate, Oracle, AJAX, HTML, CSS, Bootstrap, XML, ANT, Log4J, Maven, PL SQL, CVS, Windows, Linux, Net Beans, Apache Tomcat, SVN, MVC.

 **Client: Binary folks Private Limited April 2014 – Sep 2017**

**Role: Java Developer**

**Responsibilities:**

* Worked on various spring rest controllers for request mappings and created JSP custom tag libraries for the application.
* Developed the action classes, Action from classes, created JSP using struts tag libraries and configured in struct-config.xml, web.xml files.
* Developed business logic using session beans and entity beans.
* Worked on doing analysis, Design and developing middleware using servlets, Java Beans, Hibernate, Spring and doing enhancements and issue resolutions.
* Involved in User requirements and created System requirement Document, Functional requirement Documents.
* Used Struts Validator Framework for server side and client-side validations.
* Implementing Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating web services.
* Designed and tested Java Beans to retrieve financial data and customer’s information from MySQL database server.
* Developed RESTful web services to be consumed by AngularJS.
* Used various design patterns for module design and development.
* Worked on AJAX to develop an interactive Web Application.
* Used log4j for tracking and fixing bugs.
* Performed Unit testing, System testing and user acceptance test.
* Followed Agile and Scrum Methodology in software development.

**Environment:** Core Java, J2EE, Spring MVC, Hibernate, HTML, Java Script, AngularJS, Grunt, Bower, AJAX, CSS, MySQL, SOAP, REST, TDD, Spring Boot, Rally, Bit Bucket, Agile.