**Name: Manoj Madduri**

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**Summary:**

* 7+ years of hands-on experience in application software development involving analysis, design, development, testing and deployment of client-server, OOP’s Concepts, Multi-Tier applications.
* Proficient in developing secure web applications and server-side development using Core Java, J2EE, web Services, Micro services, Spring MVC, Hibernate, JPA, JavaScript, Ajax, JSP, Servlet, HTML, CSS, JDBC, RDBMS, PL/SQL.
* Good experience in working with Firebug for Mozilla and Developer Toolbar for Internet Explorer, Web Inspector for Safari, Developer Toolbar for Chrome.
* Knowledge in Application Design and Development using OOP, MVC, SOA and J2EE.
* Experience in developing and consuming RESTful Web Services using JSON.
* Integrated WebSocket functionality using Nest.js, enabling real-time bidirectional communication.
* Hands -on experience with implementing Microservice architecture using experience on open- source frameworks Spring-Boot, Spring-Cloud-Netflix (Eureka Server, Zuul, Hystrix, Splunk), Cassandra DB, JPA (spring-data-jpa, spring-orm, Hibernate), Spring (Core, Web, Data Access/Integration) and Webservices REST/SOAP.
* Applied reactive programming paradigms for transforming and processing data streams in a non-blocking manner.
* Contributed to the development of reactive microservices within a larger architecture, enhancing scalability and responsiveness.
* Familiarity with the Vue.js ecosystem, including Vue CLI, Vuex, Vue Router, and Next.js
* Expertise in implementing the MVC architecture in backend applications NodeJS along with ExpressJS.
* Employed Lambda expressions in unit testing frameworks, enabling the creation of concise and expressive test cases for improved code coverage.
* Use of Jenkins pipelines to drive all Micro services builds out to the Docker registry and then deployed with Kubernetes (Skaffold + kaniko) orchestration on GAIA, large private cloud.
* Good Experience in usage of version controls such as SVN, RTC, Git, Bit Bucket.
* Experience with Kafka (Pub Sub) messaging system and Kafka event Streaming
* Hands on Experience on CICD Jenkins
* Experienced in Jenkins for continuous integration in which all development work is integrated and involved in deploying the application using Docker to AWS environment.
* Experience in containerizing application using docker and deployed to Kubernetes cluster.
* Deployed services as Docker container using Amazon ECS container services to EC2 server.
* Experience in AWS, which included managing applications in the cloud and creating/hosting instances to EC2.
* Successfully deployed and scaled Java applications on OpenShift clusters.
* Implemented logging infrastructure for Java applications on OpenShift.
* Integrated OpenShift with Jenkins for automated CI/CD pipelines.
* Experience in developing GUI screens using HTML, CSS, JSP, JAVASCRIPT, JSON, jQuery, AJAX.
* Efficient use of various design patterns such as MVC Model-View-Controller, DAO Data Access Object, DTO Data Transfer Object, and Business Delegate in the development of distributed Enterprise Applications.
* Expertise in Developing and Deploying Enterprise Java Beans on Application servers like Tomcat, IBM WebSphere and JBoss.
* Hands on experience with databases including Oracle, PL/SQL.
* Involved in all phases of SDLC discussions with the customer to gather information and requirements.
* Expertise in Developing and Deploying Enterprise Java Beans on Application servers like Tomcat, IBM WebSphere and JBoss.
* Expert in developing Java Selenium Web.
* Driver/RC/IDE/GRID test scripts using Java, JavaScript, Python and Ruby and Test Frame works using Testing/Junit, ANT/MAVEN/Gradle build tools.
* StrongworkingexperienceonIDEslikeMyEclipse5.1, IntelliJ IDEA, WebStorm, IBM RAD, Eclipse 3.2, and Net Beans for developing enterprise applications and deploying web services on Apache Axis 1.2.
* Assisted project manager in defining project scope, time & e!ort estimates, and deliverable management, supported my project manager in work Break down structures.
* Knowledge in Application Design using OOAD, Object Oriented Methodologies like UML.
* Excellent analytical and critical thinking, creative problem solving, quick learning, interpersonal and client interfacing skills.
* Design and code forms specifications, analyzes, evaluates, tests, debugs, documents, and implements complex software apps.
* Involved in core Hybris platform such as data modelling, HAC, HMC and creating flexible search queries.

**Technical Skills:**

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| --- | --- |
| **Programming** | Java 8(J2EE, JDBC, JSP, Collections), SQL, PL/SQL |
| **Architectural pattern** | Microservices, Webservices, Client-server, MVC |
| **Web Technologies** | HTML, JavaScript, Ajax, CSS, jQuery |
| **Microservices Framework** | RESTful Webservices, Eureka Server, Zuul, Hystrix, Splunk, Kafka |
| **CI/CD** | Jenkins, Docker, Kubernetes |
| **Version tools** | SVN, RTC, Bit Bucket, |
| **AWS** | ECS, EC2, Cloud watch |
| **Protocol Knowledge** | HTTP, HTTPS, TCP |
| **Frameworks** | Spring Boot, Spring MVC |
| **Data Base/Data processing** | Oracle, MySQL/ Hibernate, JPA, NoSQL- Cassandra |
| **Web/Application Servers** | Apache Tomcat, IBM WebSphere Application Server, JBoss |
| **IDE** | Eclipse, Spring Tool Suite (Spring Boot) |
| **Design pattern** | Business Delegate and Data Access Objects |
| **Project management tools** | Quality center, Jira |
| **Code Review Tools** | SonarQube |
| **Operating Systems** | Windows XP/7, 10, Windows Server 2003, UNIX Servers |

**Work Experience:**

**Client: Inspire Brands, Atlanta Aug 2023 - Present**

**Java Full Stack Developer**

**Responsibilities:**

* The application is developed on Micro Service Oriented Architecture using Spring Boot and Angular 14, React JS, Mongo DB and MySQL to integrate and communicate with the already existing applications.
* Designing and implementing the User Interface using Angular 14, HTML, CSS/CSS3, SASS and Bootstrap for responsive design for the exposed enterprise application.
* Developed robust and efficient backend services using Java 8 features, prominently utilizing Lambda expressions for streamlined and concise code.
* Implemented Lambda expressions in conjunction with Java Streams API to perform complex data manipulations and transformations, resulting in improved code readability and performance.
* Worked with React JS to build Bootstrap components for responsive UI Objects and linked with API data to view render the virtual DOM dynamically.
* Integrated the existing Jenkins CI/CD pipeline with OpenShift, reducing deployment times by 30%.
* Elegantly used React-Router techniques Axios service to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Implemented GraphQL server using Relay framework that allows us to query the multiple RESTful API backends asynchronously without having to write promise logic that avoids cumbersome callbacks.
* Developed numbers of Typescripts (ES6) objects including Components, ngModules,
* Providers, Services, Interfaces, and classes utilizing arrow function and optional types.
* Developed lazy loading route with separate modules and child routes including data transfer with Resolve, Route Data and Route Parameter and implemented Rout Grad mechanism using can-activate, can-deactivate, can-load-child etc.
* Integrated Nest.js decorators to add metadata for Swagger documentation.
* Integrated authentication strategies like JWT using Nest.js guards and interceptors.
* Integrated Node.js into the Microservices Architecture to handle asynchronous tasks and create scalable and responsive backend services.
* Implemented the associated business modules integration using Spring Boot and Spring Data MongoDB, Spring Data JPA.
* Used Spring Dependency Injection, annotations, and Spring MVC components to implement business layer and navigation part of application.
* Developed several RESTful API web services which produce both XML and JSON to perform tasks, leveraged by both web and mobile applications.
* Documented the REST API’s using Swagger2 API for briefing the services involved in the application.
* Used Redis for caching and Elastic Search which resulted in enhanced performance of the application.
* Implemented Rabbit MQ Services for reliable and asynchronous exchange of important information such as payment status report.
* Installed Kafka manager for consumer logs and for monitoring Kafka Metrics also this has been used for adding topics, Partitions to build real-time analytics purpose.
* Developed data transformer for converting legacy data from Source tables to Avro format and fed into Kafka using Camel to process the file for multiple routes to different host locations.
* Developed reactive web applications using Spring WebFlux to handle non-blocking and asynchronous operations efficiently.
* Utilized the reactive WebClient in Spring WebFlux for making non-blocking HTTP requests to external services.
* Implemented Spring Security OAuth 2.0 and OIDC Token mechanism for authentication and authorizing for social websites logins using Spring Social module.
* Deployed the Docker image of services building Docker file and build a continuous delivery pipeline for containers using AWS Code Pipeline and Amazon ECS.
* Developed Unit test cases using Junit, Cucumber for Spring, Protractor for Angular, Mocha and Chai for React.

**Environment**: Java SE8/J2EE, Spring 5.x, AWS SNS/SQS, hibernate 5.x, SOAP/RESTful, GraphQL, ES6 JavaScript, TypeScript, Relay, HTML5, CSS3, Sass, Cloud Foundry, OAuth 2, Linux, JMS, MongoDB, MySQL, Bootstrap v4.0, Angular 14, Redis, Elastic Search, React with Redux, AJAX, jQuery, Junit4, Maven 3.0, Babel, cucumber, Protractor, Git.

**Client: OCC-Chicago, IL Jan 2022 – July 2023**

**Java Full Stack Developer**

**Responsibilities:**

* As Part of IPI Team Extensively participated in requirement gathering and analysis
* Improved high code coverage (e.g., 90%) through a systematic approach to unit testing.
* Employed mocking frameworks like Mockito to isolate components for effective unit testing.
* Continuous developments using the Java 8 latest features like streams and filter techniques.
* Developed Microservices using spring modules like Spring MVC and Spring boot.
* Integration with external services like user data service, vendor data service using REST API
* Implemented RESTful webservices for interservice communication.
* Developed RESTful APIs using Nest.js controllers, taking advantage of decorators to define routes and request handling.
* Applied the Reactive Streams standard for asynchronous stream processing in Java applications.
* Effectively used Flux to represent reactive streams with multiple items and Mono for streams with zero or one item.
* Integrated GraphQL with Nest.js, leveraging the @nestjs/graphql module.
* Implemented Routing to navigate between the components in the application using the Angular router module.
* Integrated Prometheus and Grafana for monitoring critical metrics, leading to proactive issue resolution.
* Created Angular Components, Directives, Services and Reactive Forms to collect the input from User.
* Implemented security measures in MongoDB, including authentication mechanisms, user roles, and access control, to protect the integrity of the data.
* Worked with modules like MongoDB and Mongoose for database persistence using Node.js to interact with MongoDB.
* Integrated Node.js into the existing architecture for handling asynchronous operations and building scalable applications.
* Developed RESTful APIs using Express.js, a web application framework for Node.js, to facilitate communication between client-side and server-side components.
* Created RFP Micro service to provide RESTful API utilizing Spring Boot with Micro services.
* Successfully completed the Deploying Spring Boot based micro services as Docker container image using Amazon ECS container services.
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Had knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Have knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Working Knowledge in EC2 by creating snapshots, volumes and security groups for public and private instances.
* Logging and monitoring were done with AWS Cloud watch.
* AWS IAM Identity Center with Okta Universal Directory via the [Security Assertion Markup](https://aws.amazon.com/iam/details/saml/) [Language 2.0](https://aws.amazon.com/iam/details/saml/) (SAML 2.0) protocol.
* Responsible for implementation of the presentation layer for the application using Html5, CSS3, JavaScript and AJAX.
* Used Swagger for documenting the Rest APIs and created automation scripts for Rest APIs using Postman.
* Experience with querying on data present in Cassandra cluster using CCL (Cassandra Cluster Language)
* Managed code branches in Git and responsible for setting up and continuous integration of code into Jenkins.
* Created Docker images with the help of Docker Desktop application and stored them in repositories.
* Work in a fast paced bi-weekly sprint environment following Agile principles and methodologies.
* Developed JUnit test framework and executed unit test cases by using JUNIT for fixes.

**Environment:** AWS, Java8, Java Spring Boot, Micro services, Apache Kafka, Kerberos, Git Hub, Eureka Server, Zuul, Hystrix, Splunk, Cassandra, Git, Jenkins, IBM WebSphere

**Client: Sify Technologies-INDIA Aug 2018 – Jul 2021**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in Software Development Life Cycle for gathering requirements, Analyzing, Designing, Developing, and Testing applications using Agile methodology.
* Extensively used core java concepts like Collections Framework, and Exception Handling, I/O System, Multithreading, JDBC, Generics.
* Creates and configures Micro-Services architecture and integrated with Angular application.
* Used Spring Boot which is radically faster in building cloud Micro-Services and develop Spring based application with very less configuration.
* Used spark API to generate pairRDD using java programming.
* Worked on the version PEGA7.1.9.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Developed application on Spring framework by utilizing its features like Spring Boot, Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC.
* Used HTML, CSS, JavaScript, JSP, JQUERY, AJAX and Bootstrap in front end.
* Used Microservices to build individual components of the application and built the application on Spring Framework.
* Creates and configures Micro-Services architecture and integrated with Angular application.
* Used Hibernate, object/relational-mapping (ORM) technique for mapping data from MVC model to MySQL Relational data model with an SQL-based schema.
* Developed Micro services & APIs using Spring Security, Spring Boot, and Spring Integration.
* Developed internal coding using J2EE technologies based on the MVC Architecture.
* Implemented Spring MVC flow to interact with different modules of the application.
* Consumed REST services using Angular HTTP and performed various REST Http operations for data retrievals and updates.
* Developed user Authentication and authorization by using Spring Security OAuth 2.0 and JSON web Token.
* Developed various screens for the front end using React JS and used various predefined components from NPM (Node Package Manager) and Redux library.
* Worked with NoSQL MongoDB to store, retrieve, update, lock, and schema design and manage all the details for Ethernet provisioning.
* Developed user Authentication and authorization by using Spring Security OAuth 2.0 and JSON web Token.
* Configured WebSphere resources like JDBC providers, JDBC data sources, connection pooling.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup and used Spark API to generate Pair RDD using Java programming.
* Involved in developing AWS cloud formation templates and setting up Auto scaling for EC2 instances and involved in the automated provisioning of AWS cloud environment using Jenkins and chef.
* Used Continuous delivery/ Continuous Integration tools Docker, Jenkins to deploy this application to AWS and used GIT for version control of code for incremental development.
* Used Apache Maven as a build tool for building the Restful web-service.
* Used SonarQube to check the code review for the whole project.
* Worked as part of the Microservices team to develop and deliver Maven projects to deploy on Jenkins CI/CD and having experience in managing the Docker containers in Kubernetes.
* Developed Unit and Functional Test Cases using JUnit while following the Test-Driven Development (TDD) approach.

**Environment:** Java/J2EE, Agile, Microservices, HTML, CSS, JavaScript, React JS, Ajax, Bootstrap, Spring boot, Spring cloud, Hibernate, REST, NoSQL, MongoDB, Kafka, WebSphere, AWS, EC2, Chef, Jenkins, Git, SonarQube, Maven, Docker, Kubernetes.

**Client: Sorcfyr Solutions-INDIA May 2016 – Jul 2018**

**Java Developer**

**Responsibilities:**

* Produced and Consumed Microservices with Spring-Boot, Spring-Cloud-Netflix (Eureka Server, Zuul, Hystrix, Splunk), Spring (Core, Web) and Webservices REST/SOAP.
* Experience in using build/deploy tools such as Jenkins, Docker for Continuous Integration & Deployment for Microservices.
* Worked with authentication implementations such as OAuth2.
* Developed, debugged, integrated, and deployed applications using Eclipse (IDE) and used GIT as Version Control.
* Created Jenkins jobs for continuous integration and continuous delivery to AWS environment.
* Deployed Spring Boot based micro services as Docker containers using Amazon ECS container services.
* Involved in setting up the application to run on AWS environment on multiple EC2 instances.
* Hands on with API modeling languages and documentation using Swagger and Postman for testing webservice.
* Designed and developed the UI components using Angular, JSP, HTML, CSS/CSS3, JavaScript, Ajax/jQuery,
* Handled Browser compatibility issues for different browsers related to CSS and HTML.
* Used CSS3 Borders and Query Menus as part of the UI navigation.
* Produced client-side validation through JavaScript and Ajax for asynchronous communication.
* Created interface to manage user menu using JS, Angular JS and JQuery.
* Used Query event handling in Ul pages to display list boxes and to handle validations.
* Developed front - end interfaces and involved in Error Handling using JSP.
* Participated in peer reviews and code reviews for every sprint.
* Participated in the production deployment schedules.
* Audits and estimations for projects were done.
* Executed and programmed on an application development, helped team through all phases of the software development lifecycle.

**Environment:** Java8, Java Spring Boot, Micro services, AWS, Git Hub, Eureka Server, Zuul, Hystrix, Splunk, Docker, Git, Jenkins, IBM WebSphere