Murali N
Sr. Java Fullstack Developer
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PROFESSIONAL SUMMARY:

- Over **8+** years of experience in Full Software Development Life Cycle (**SDLC**) which includes Analysis, Design, Development, Implementation and Testing of web-based applications using **Java**/**JEE** technologies.
- Good knowledge on both **Agile** development process using **SCRUM**.
- Expertise in core **Java** concepts like **OOPs** concepts Collections, Exception Handling, Multithreading.
- Experience in developing **J2EE** design patterns like **MVC**, Facade, Singleton and Business delegate.
- Extensive experience in **UML** Modelling diagrams developing Such as **Use Case diagrams**, **Class diagrams** and **Sequence diagrams**.
- Experienced in **UI** Design and Development using **HTML5**, **CSS3**, JavaScript, **jQuery**, **Bootstrap** and AJAX that follows W3C Web standards successfully managing all facets of application development.
- Experience on client-side JavaScript frameworks **AngularJS**, **ReactJS** and **Angular 2-9**.
- Strong experience of using **Spring** and **EJB** containers to manage the bean life cycle.
- Experience in developing web-based applications using Java, JEE/J2EE, Hibernate, Spring, Web Services like **SOAP** and **RESTful** services, **MVC** frameworks like Struts, Spring MVC, and database like oracle, MySQL, DB2.
- Experience on DevOps essential tools like Docker, Kubernetes, GIT.
- Expertise to interact with databases using **ORM** frameworks like **Hibernate**, **Spring** data, & **JPA**.
- Experience in building flexible, reliable, efficient, and secured Enterprise and Web based applications using **Spring MVC** and **Spring** Web Flow frameworks and **Spring boot & Microservices**.
- Good experience writing SQL Pl/SQL queries, procedures in different Relational **DBMS** like **MySQL**, Oracle **SQL** PL/SQL, **SQL** Server (MS SQL), DB2, **Postgresql** and **NoSQL** DBMS like MongoDB.
- Experience in Producing and consuming Web Services Technologies like **Restful (JAX-RS), SOAP (JAX-WS), JAX-RPC** and **JAXR** (**Java API** for **XML** Registries).
- Expertise in using **IDE** for Java including **Eclipse**, Spring Tool Suite, IntelliJ, RAD, Netbeans.
- Hands on experience in working with **Junit/TestNG**, **Mockito**, Selenium.
- Experience in version control systems using **GitHub**.
- Hands-on experience to setup, configure continuous build processes using Jenkins, Maven, Ant, and Gradle.
- Experience of using **Jenkins** tools for continuous integration and continuous deployment.
- Experience working with Hibernate Transaction Management, Hibernate Batch Transactions, cache concepts.
- Experienced in application maintenance by prioritizing bugs, handling change requests and enhancements.

TECHNICAL SKILLS:

J2EE Technologies	JSP, Servlets, JDBC, Hibernate, Spring, Struts, Java Beans, WSDL, AJAX, XML, and XSLT
Core Java	Collections, Generics, Serialization, Concurrency Control, File I/O
Application Servers	Apache Tomcat 7.0, WebSphere, WebLogic.
Web Services	WSDL, UDDI, SOAP, REST, Restful, JAX-WS, JAX-RPC, Metro.
Operating Systems	WINDOWS XP/7/8/10.
Languages	JAVA, C++, PL/SQL, HTML, XML.
Web Technologies	HTML, DHTML, XHTML, XML, XSL, XSLT, Schema, XPath, DOM, JavaScript, jQuery, JSON, AJAX, Angular 2-9, GUI, JBOSS, Apache POI, DTD.
Database	Oracle 11g/10g/9i/ SQL Server, MySQL, MongoDB
JEE Components	EJB3, JMS

Design Methodologies	OOP, Agile, Waterfall, SCRUM, UML, J2EE Design Patterns.
Tools	Eclipse, Net Beans, IntelliJ, Toad, SQL, developer, Kubernetes, Maven, AWS.

EDUCATION:

Masters in Information Systems, Marist College - Poughkeepsie, USA
Bachelor of Engineering in Computer Science's, Ghousia College of Engineering, Ramanagaram – India

PROFESSIONAL EXPERIENCE:

Client: Barclays, Whippany, NJ   **May 2022 – Till Date**
Role: Sr. Java Full Stack Developer

Responsibilities:
- Involved in analysis, specification, design, implementation, and testing phases of Software Development Life Cycle (**SDLC**) and used **Agile** methodology (**SCRUM**) for developing application.
- Involved in requirement gathering meetings and produced extensive analysis of the **Use Cases** and **Entity-Relationship** and **Data Flow Models**.
- Implemented Single Page Application (SPA) Pattern and used **Angular 6 MVC** to build a cross-browser application.
- Designed and developed a full-stack funding website based on **Node.js**, **Reacts.js**, **WordPress** and **Slim Framework**.
- Worked on partition of **Kafka** messages and setting up the replication factors in **Kafka** cluster.
- Implemented the function to send and receive **AMQ** messages on **RabbitMQ** synchronously and asynchronously and send **JMS** message to Apache ActiveMQ on the edge device.
- Coded and self-unit testing followed by thorough Code review to ensure that design and coding standards are followed.
- Worked on infrastructure with **Docker** containerization and maintained **Docker** Images and containers.
- Used **Jenkins** pipelines to drive all micro services builds out to the Docker registry and then deployed to **Kubernetes**, created Pods and managed using **Kubernetes**.
- Worked with Architect for understanding use cases, class, sequence, collaboration, active deployment diagrams and application framework for different application components.
- Migrated the existing project to **Microsoft Azure** with Azure services.
- Used **Gradle** build tool to automate the process of generating **Docker** files building **Docker** images and pushing them to **Docker** Private Registry.
- Used **Spring Kafka API** calls to process the messages smoothly on **Kafka** cluster setup.
- Developed server-side application to interact with database using **Spring Boot** and **Hibernate**.
- Used Amazon Cloud Watch to monitor **AWS** services and **Amazon** Cloud Watch logs to monitor application. AWS Infrastructure setup Web Server, App Server and PDS Server.
- Attended daily Scrum meetings, kept up-to-date on best practices for **JavaScript** frameworks and techniques. **Developed UI** using **Reacts** and **Redux** and Next.JS.
- Wrote REST APIs in **Java 7/8/11** to support internalization, and apps to help our buyer team visualize and set portfolio performance targets.
- Involved in development of test environment on **Docker** containers and configuring the **Docker** containers using **Kubernetes**.
- Implemented **Spring Boot Microservices** to process the messages into the **Kafka** cluster setup.
- Developed an internal application using **Reacts, Next JS**, **Express** and **Node JS** for Relationship Mangers.
- Implemented core features of **Angular 6** framework such as Dependency Injection, Data-Binding, filters, directives, templates services and deep linking.
- Used a **Microservices** architecture, with **Spring Boot**-based services interacting through a combination of REST and Spring Boot. Developed all REST APIs using Hystrix commands and Feign clients for efficient fault tolerance and handling fall back mechanisms.

- Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for your solution in a single, coordinated operation. Source code management is performed using Git from master repository and knowledge on container management using **Docker** in creating images.
- Used **AJAX** to get the data from the server asynchronously using **JSON/XML**.
- Implemented **SOA** to develop **REST Based Web services**.
- Developed **REST** web services clients to consume those web services as well other enterprise-wide web services. Selected the appropriate **AWS service** based on compute, data, or security requirements.
- Worked on Big Data Integration & Analytics based on **Hadoop**, **SOLR**, **Spark**, **Kafka**, **Storm** and web Methods.
- Wrote Web Services using SOAP for sending and getting data from the external interface.
- Exposed the web services to the client applications by sharing the WSDL's.
- Maintained states in the stores and dispatched the actions using **Redux**.
- Used **spring framework** as middle tier application framework, persistence strategy using spring support for Hibernate for integrating with database.
- Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
- **Apache Maven** is used as Build tool to automate the build process for the entire application.
- Web application development using Groovy Grails jQuery AJAX and D3js.
- Developed and maintained a production-level cloud-based architecture in AWS using **Java/J2EE** programming language and including creating machine images like AMI.
- Worked in Linux environment with Apache Tomcat on Amazon AWS.
- Utilized JSLint to maintain consistent style amongst all the developers and used GIT for version control.
- EC2 instances, RDS instances - **MySQL, SQL, No-SQL, Oracle, VPC, S3, IAM, RouteS3**.
- Composed and executed MS SQL, SQL, Oracle scripts to insert and update MSSQL, Oracle, and SQL, No-SQL database, automating data changes and reporting.
- Integration of **Amazon Web Services** (AWS)with other applications infrastructure.
- Built/maintained Docker container clusters managed by **Kubernetes Linux, Bash, GIT, Docker**, on **GP**.
- Developed **Microservices** using **Spring MVC**, **Spring Boot**, and **Spring Cloud**.
- Used **SSIS Variables** for storing the values, which are used in various components of Data Flow Task.
- Implemented RESTful Web Services using **Spring Boot**. Wrote services to store and retrieve user data from the **MongoDB**, **Cassandra**, and **SQL** for the application on devices. Implemented spring **Microservices** to process the messages into the **Kafka** cluster setup.
- Used **Jenkins**, Ansible to build and package the application and implemented **Log4j** for the project.
- Involved in documentation, review, analysis, and fixed postproduction issues. Maintained the Production and the Test systems. Worked on bug fixing and enhancements on change requests.

Environment: Java 7/8/11, Core Java, Spring, Spring Boot, Microservices, Hibernate, React JS, Next JS, Rest Node JS, Redux, Postman, Maven, Bootstrap, RabbitMQ, XML, XHTML, Angular 8/9, CSS3, HTML5, Bit Bucket, Bamboo, JavaScript, Docker, Oracle, Typescript, XSLT, MSSQL, MySQL, Oracle, SQL, No-SQL, AWS, Selenium, Cucumber, AMQ. Cassandra, GIT, Ansible, Jenkins, Kafka, Tibco, Maven, Junit.

Client: Bionova Scientific, Fremont, CA   **Sep 2021 – April 2022**
Role: Sr. Java Fullstack Developer

Responsibilities:
- Involved in analysis, specification, design, implementation and testing phases of Software Development Life Cycle (**SDLC**) and used **Agile** methodology (**SCRUM**) for developing application.
- Utilized **JAVA 8** features like Lambda expressions for collection evaluation and comparing the data, Stream **API** for bulk data operations on Collections and Parallel operations for effective sorting mechanisms.
- Used core java concepts like **Collections**, **Generics**, Exception handling, IO, Concurrency to develop business logic.
- Developed user interface using **JSP, JQuery, HTML5, CSS3, JavaScript, Angular 8/9, AJAX, ReactJS, ReactJS & Bootstrap**.
- Created a Single Page Application (SPA) using **Angular 9** as framework, to bind data with specific views and to synchronize data with server.

- Used **Spring Boot** framework for building cloud **Micro Services** and to develop Spring based application radically faster with very less configuration.
- Implemented Micro Services using Spring Boot and **Angular 8**.
- Used **JavaScript**, **JQuery**, **AngularJS**, **React JS** and **AJAX** technologies for front end user input validations and Restful web service calls.
- Implemented **Angular 9** services to connect the web application to back-end APIs to POST/GET the data used in the application.
- Implemented the application using **Spring MVC Framework** and handled the security using **Spring Security**
- Used **Hibernate**, object relational mapping **(ORM)** solution, technique of mapping data representation from **MVC** model to Oracle Relational data model with an **SQL**-based schema.
- Implemented the application using the architectural principles laid down by several design patterns such as **MVC**, Business Delegate, Session Facade, Service Locator, Data Access Object, Singleton and Abstract Factory.
- Implemented **RESTful** web services using **Postman** to create, share and test and document APIs.
- Worked with core java concepts like **Collections Framework**, **Multithreading** and Memory management.
- Involved in installing and configuring **Maven** for application builds and deployment
- Worked on **Log4J** to validate functionalities and **Mockito** framework **JUnit** for unit testing.
- Worked on DevOps essential tools like Docker, Kubernetes, GIT, Hudson, Jenkins, Maven and migrated VMWAREVMs to AWS and managed services like EC2, S3, Route53, ELB, EBS.
- Automate build process through **Maven** build framework
- Used **JIRA** to assign, track, report and audit the issues in the application.
- **Jenkin CI/CD** tool configured for continuous integrating and deploying application on servers.
- Deployed **Spring Boot** based **Microservices Docker** container using **Amazon EC2** container services and using **AWS** admin console.
- Used **Apache Tomcat** server for Application configuration and deployed on.
- Fixed the bugs while deploying applications in production environment.

Environment: Java 8, Spring Boot, Microservices, React JS, Angular 8/9, JavaScript, HTML5, CSS3, AJAX, Bootstrap, Node JS, jQuery, Hibernate ORM, JMS, JSP, AWS, Restful Web services, Eclipse, Postman, Visual Studio Code, JSON, GIT, IntelliJ IDEA, Kubernetes, Jenkins, Mockito, Log4j, SQL Developer, Apache tomcat, Maven, Junit.

Client: PennDot, Harrisburg, PA (Offshore Project)   **Sep2019 – July 2021**
Role: Sr. Java Fullstack Developer

Responsibilities:
- Working on **SCRUM** Agile development methodology includes iterative and incremental application development, stand up meetings with clients.
- Designed front-end presentation logic using **JSP, HTML5, CSS3, Ajax**, **Javascript**, **Angular 6/7**, **Node JS**, and **Bootstrap**, deployed the design in Word Press.
- Used Operation classes, Data Management classes, Business classes, **configuration** file, properties class (**MVC** Design pattern).
- Used **Spring Boot** to develop and deploy both **RESTful** web services and MVC applications.
- Created a Single Page Application (SPA) using **Angular 7** as framework, to bind data with specific views and to synchronize data with server.
- Used **Spring Boot** framework for building cloud **MicroServices** and to develop Spring based application radically faster with very less configuration.
- Consumed **REST** based **Microservices** with Rest template based on **RESTful APIs**.
- Used Amazon **AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation.
- Implemented **Angular 6** services to connect the web application to back-end APIs to POST/GET the data used in the application.
- Used **Hibernate** ORM (Object Relational Mapping) Framework to interact with the database to overcome manual result set handling. Developed hibernate configuration files, mapping files and mapping classes.
- Worked on writing complex queries and **PL/SQL** procedures, cursors on different databases.

- Designed and developed the **REST** based **Microservices** using the **Spring Boot**, **Spring Data** with **JPA** (Java Persistence API).
- Involved in **ORM** mappings for associations, Inheritance & fetching strategy, performing **CRUD** operations and managing second level cache using **Hibernate**.
- Involved in developing DevOps pipeline using Azure cloud service and Kubernetes for Microservices Architecture.
- Developed a rest **API's** using spring rest controller which consumes and produce Rest Json and tested it using Postman.
- Written **JUnit** Test cases for perform unit testing and tested web services with **REST** Client.
- The application configured and deployed on **Apache Tomcat** server.
- Jenkin CI/CD tool configured for continuous integrating and deploying application on servers.
- Fixed the bugs while deploying applications in production environment.

Environment: Java 8, Angular 6/7, JavaScript, HTML5, CSS3, AJAX, Bootstrap, jQuery, Spring MVC, Spring Security, Hibernate, AWS, Spring Data, Spring Boot, Microservices, Json, Restful Web services, Eclipse, Jenkins, Kubernetes, Mockito, MySQL, Apache tomcat, Maven, Junit, Jenkins, TestNG.

Client: First Republic Bank, San Francisco, CA (Offshore Project)   **Jan 2018 – Aug 2019**
Role: Sr. Java Fullstack Developer

Responsibilities:
- Worked on the design, development and testing phases of Software Development using AGILE methodology and **Test-Driven Development** (TDD). Implemented business logics with Multithreading, **Collection framework API**.
- Involved in development, design and implementation front end part of the widget-based application using **HTML5**, **CSS3**, **jQuery**, **JavaScript**, **AJAX**, **ReactJS**, **Bootstrap**.
- Developed various screens for the front end using **React** and used various predefined components from **NPM (Node Package Manager) libraries**.
- Designed pages using **Angular 5 Validations, Modules, Events, Expressions, Directives, Controllers** and **Filters.**
- Configured the continuous delivery pipelines for deploying **Microservices** and lambda functions using Jenkins CI server.
- Involved in building a single page and cross browser compatible web application using **Angular 4/5 (Angular routing)** and **Bootstrap.**
- Bottle micro-framework implemented with **RESTful API with MySQL** database. Building cloud **Microservices** using **Spring Boot**.
- Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for **Microservices**.
- Used multithreading in programming to improve overall performance using Singleton design pattern in **Hibernate** Utility class.
- Designed and developed Hibernate DAO's using **Spring framework's** Hibernate DAO Support and Hibernate Template.
- Involved in creating various **Data Access Objects** (DAO) for addition, modification and deletion of records using various specification files.
- Implemented the back-end services using **Spring Boot** and **Spring Boot** for batch processes input file scanning and posting batch job request to **Message Queue.**
- MySQL database used to load the application data and written **PL/SQL** procedures, complex queries to perform various data operations.
- Deployed **Spring Boot** based **Microservices Docker** container using **Amazon EC2** container services and using **AWS** admin console.
- Developed Modules for the Front-end applications and integrating them to Back-end using **Spring MVC** & **Hibernate** framework.
- Used **Spring AOP** module to handle cross cutting concerns like transaction management, logging and profiling.

- Used Log4J to capture the log that includes runtime exceptions.
- Integration of automation batch run job with Jenkins. Worked with Jenkins Continuous Integration and Continuous Deployment (**CI/CD**). Used Web socket API for creation JEE applications.
- Followed Test Driven Development (TDD) to develop **JUnit** test cases and performed integration and system testing.

Environment: Java 1.7, Spring Boot, JavaScript, React JS, Angular 4/5, HTML5, CSS3, AJAX, Bootstrap, jQuery, Node JS, Hibernate, Microservices, AWS, JMS, Javascript, PL/SQL, JSON, JAXP, JAXB, Restful services, Eclipse, Jenkins, Git, Log4j, MySQL, Apache tomcat, Mockito, Jenkins, Junit, Maven.

Client: SigniTeq Services, India   **Aug 2016 – Dec 2017**
Role: Java Developer

Responsibilities:
- Planned **Sprint** releases, deliverables and dependencies with other vendor teams through SOS (Scrum of Scrum meetings) and participate in weekly status meetings to discuss on the project progress.
- Enhance the user interface using **HTML5**, **CSS3** and **JavaScript** Libraries like **JQuery**, **ReactJS**, Node JS, and **Bootstrap**.
- Integrated the Java code (API) in **JSP** pages and responsible for setting up the **ReactJS framework for UI development.** Developed **HTML** views with **HTML5, CSS3, bootstrap, NodeJs and ReactJS.**
- Implemented a Middle tier using **Spring MVC** to process client requests and build server-side graph models using my graph server-side framework.
- Done with logging, exception handling and transaction management using **Spring AOP.**
- Used **React JS** to parse the data fetched from APIs and Performed web Page Applications using **ReactJS** with other development teams.
- Consumed web services and using **CXF** API to build client jars. Coordinate with services team to produce a valid service response meeting business and application needs.
- Have been using **GOF** java designed patterns and **J2EE** design patterns including **MVC, VO, DAO, Business delegates, Service locator, DTO** etc.
- Involved in integrating Spring with **Hibernate**. Involved in setting up configuration properties, **ORM** mappings, and **CRUD** operations with the database.
- Used **Spring-boot- starter-parent** as the parent POM and inheriting sensible default settings from **Spring Boot** and the spring-data- **Mongodb** dependency provides integration with the **MongoDB**.
- Consumed REST based **Microservices** with Rest template based on RESTful APIs.
- Creating **JUnit** test cases to have thorough Unit testing to avoid defects.
- Created **Hibernate** mapping files, sessions, transactions, Query and Criteria to fetch the data from **SQL** based schema
- Involved in **ORACLE** writing **SQL queries & PL SQL** - Stored procedures, functions, triggers, cursors, object types, views. Scheduled **Ctrl-M** jobs to run them.
- Created **Microservice** to provide RESTful API utilizing **Spring** Boot with **Spring** MVC.
- Configured the continuous delivery pipelines for deploying **Microservices** and lambda functions using Jenkins CI server.
- Deployed the apps on **Unix** box, used file Zilla to get the logs from **UNIX** box.
- Working with the middleware team and DBAs regarding the database issues and code deployments.
- Identified **check style, PMD and Find bugs** and fixed them.
- Involved in creating **JUnit** test cases and ran the TEST SUITE using EMMA tool

Environment: Java 1.7, Spring MVC, IOC, AOP, Hibernate, ReactJS, Microservices, Bootstrap, Spring Boot, NodeJS, HTML5, CSS3, AJAX, XML, XSD, JMS, XSLT, Micro Services, JSON, Eclipse, Oracle 11g, Weblogic, UNIX, Log4J, CI/CD, Servlets, CSS, JSP, Connectors, JQuery, Maven, CVS, JUnit.

Client: Symplr, India   **July 2014 – Aug 2016**
Role: Java Developer

<u>**Responsibilities:**</u>

- The application is designed using **J2EE** design patterns and technologies based on MVC architecture. Agile methodology is used for development of the application.
- Used **J2EE** design patterns like Value Object Pattern, Session Façade, Singleton, Factory and DAO.
- Developed back end interfaces using **PL/SQL** packages, stored procedures, functions, procedures, anonymous **PL/SQL** programs, Cursor management, Exception Handling in PL/SQL programs.
- Developed the application using **Spring** Framework that leverages the classical Model-View-Controller (MVC) architecture.
- Writing Java code to use **Apache** Axis web service API, developing Oracle PL/SQL Stored Procedures code.
- Used Eclipse for developing JSPs, **Servlets**, and with IBM WEB SPHERE server in development phase.
- Used **Spring** Security framework to setup authentication and authorization for the application using firm wide single sign on.
- Involved in the development of underwriting process, which involves communications without side systems using IBM MQ & **JMS**.
- Used **ANT** for automated build and deployment on IBM WebSphere.
- Handled Java Multi-threading part in back-end component, one thread will be running for each user, which serves that user.
- **EJB** Session Beans were used to process request from user interface using OSS.
- Used Spring Batch as spring batch jobs can meet the requirements of reliability, robustness and traceability which are essential for automatic processing of large amounts of data.
- Developed **UNIX** Shell Scripts for batch jobs to transfer the data on different servers.
- ANT build tool for automated build and deployment.
- Developed Message Driven Beans for receiving and processing data from IBM MQ using JMS.

Environment: Java, HTML, CSS, JDBC, PL/SQL, JPA, EJB, Spring, JSP, Servlets, ANT, IBM MQ, JMS, J2EE, IBM WebSphere, Junit.