Shiva Medipelli[**meshiva092@gmail.com**](mailto:meshiva092@gmail.com) **Sr. Java Full Stack Developer** PH: +1 919-298-4648

PROFESSIONAL SUMMARY**:**

* Over 10 years of experience as a Java Full Stack Developer. Experienced in all the phases of the software development life cycle that includes Requirement Study & Analysis, Design, Development, Integration, maintenance, and testing of Object-Oriented Applications and various client/server and web applications.
* Extensive development experience in building applications using **JAVA**, **J2EE**, **MVC Framework**, **Spring Boot**, **Spring**, **Hibernate**, **JavaScrip**t, **HTML/HTML5**, **CSS/CSS3**, **AJAX, Bootstrap**, **jQuery,** **React JS**, **Redux**, **Angular9**, **Oracle**, **SQL**, **XML, SAX, DOM, SOAP web services, WSDL,** and **Restful web services**.
* Experienced in developingdynamic responsive Web Applications using **Angular9.**
* Experience in using **Typescript** to develop applications with **Angular JS**.
* Experience in using **ECMA** script for client-side scripting and used for writing server applications using Node Js.
* Performed testing of the code using **Protractor,** **Jasmine, and Karma frameworks.**
* Utilized **Node.js and React.js** extensively in building dynamic and interactive components.
* Experience with integrating **React** with other **libraries and frameworks**, such as **Material UI or Bootstrap**.
* Bringing expertise in **React components and React lifecycle methods** to develop dynamic web applications.
* Implemented the front-end using **VueJS** involving working with Reactive Data Binding, Vue Router, Vue CLI, declarative rendering, and creating components in **VueJS.**
* Extensive proficiency in **Java 8** programming language, including its advanced features such **as lambda expressions, Streams API, Generics, Time API, Functional Interfaces, Multithreading, Transaction Management, Exception Handling, and Collection API**.
* Expertise in developing **Micro-services** using **Spring Boot** to improve the scalability and Agility of applications.
* Implementing or exposing the **Microservice architecture** with **Spring Boot-based** services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Implemented **SOAP** and **REST Web services** and handled the security and Authorization using **Spring Security and OAuth2**.
* Good knowledge on Big data technologies like **Spark, Scala, Hadoop, Map-Reduce, HDFS, Hive, HBase, Zookeeper, Kafka.** Expertise in implementing Web Services using **SOAP**, **WSDL**.
* Proficient in using Spring Framework **Spring Core, Spring MVC, Spring Data, Spring AOP, Spring IOC, Spring Batch, Spring JPA, Spring Security,** and **Spring Boot.**
* Developed **RESTful** web services and integrated them with external APIs using Spring Boot.
* Utilized **Hibernate ORM** to provide a robust data access layer and enable efficient database operations.
* Skilled in troubleshooting issues related **to Hibernate, Data JPA, and JDBC** by analyzing logs, and identifying bottlenecks.
* Proficient in using **JWT** libraries like JWT and nimbus-jose-jwt for identity access and management and to generate, sign, verify, and decode **JWT** tokens in Java applications.
* Experience in working with different software development methodologies such as **Agile and Waterfall methodologies**, **Scrum,** and **Test-Driven Development (TDD)**.
* Proficient in designing and implementing messaging queue systems using technologies like **Apache Kafka, RabbitMQ, and ActiveMQ**. Familiarity with various message protocols such as **AMQP, JMS**, and **MQTT**.
* Proficiency with database management systems (DBMS) such as **Oracle, MySQL, DB2, PostgreSQL, and NoSQL databases such as MongoDB, Redis, Cassandra, and Couchbase.**
* Strong working knowledge of Database Programming using **SQL, PL/SQL,** and **Stored Procedures**.
* Proficient in API testing using tools such as **Swagger,** **Postman, JMeter**
* Experienced in using unit test cases with **JUnit4, JMock2**, and **Mockito** **framework** and **PowerMock.**
* Actively engaged in creating seamless integration builds through the utilization of **Ant, Jenkins, and** **Gradle**
* Proficient in using version control systems such as **GitLab, Bitbucket**, **SVN, and CVS**.
* Knowledge of best practices for using version control in **collaborative** **software development environments, including code review, pull requests**, **and** **continuous integration/continuous delivery (CI/CD).**
* Extensive experience in the development and deployment of Application Servers such as **JBOSS**, **Web Logic Application Server**, **IBM WebSphere Application**, and **Apache Tomcat**.
* Expertise in leveraging and utilizing cloud technologies such as **Amazon Web Services (AWS)**, **Azure**, **Golang**, and **Pivotal Cloud Foundry (PCF)**.
* Experience in core **AWS** (Amazon Web Services) services like (**S3, EC2, ELB, EBS, Route53, VPC, Auto scaling**)
* Experience in deployment services (**Elastic Beanstalk, DevOps Works,** and **Cloud Formation**) and security practices (**IAM, Cloud watch** and **Cloud trail**)
* Experienced in migrating applications into **AWS** and **Microsoft Azure**.
* Extensive hands-on experience in **OOPS** and **Multithreading** concepts.
* Experience in analyzing designs and making informed decisions regarding coding, programming, and integration activities.
* Proficiency in written and verbal communication, demonstrating ability to articulate ideas effectively.
* Mastery in delivering compelling presentations and employing strong problem-solving acumen to tackle complex challenges.

**Technical Skills:**

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| **Programming Languages** | C, C++, Java/J2EE, Python, PL/SQL. |
| **Web Technologies** | HTML, CSS, JavaScript, jQuery, AJAX, AngularJS, NodeJS, Bootstrap, ReactJS, JSON. |
| **Databases** | SQL Server, MySQL, Postgresql, Mongo DB, Oracle |
| **J2EE Technologies** | Servlets, Struts, EJB, JSF, JDBC, JSTL, JNDI, JMS, RMI, Java Bean, JTA. |
| **Web Services** | JAX-WS (SOAP), JAX-RS (REST, REST API), WSDL. |
| **Application Frameworks** | Struts, Spring, Spring MVC, Spring Security, Spring Boot, Spring ORM, Hibernate, Spring JPA |
| **Cloud Technologies** | AWS, Azure, PCF |
| **Web/Application Servers** | Apache Tomcat, Kafka, IBM WebSphere, Oracle WebLogic, JBoss. |
| **Testing tools** | Jasmine, Karma, Mockito, Protractor, JUnit |

**Professional Experience:**

**Capital Group Aug 2022 to Present**

**(Atlanta, GA, US)**

**Role: Full Stack Developer**

**Responsibilities:**

* Worked closely with cross-functional teams as a part of the **AGILE** environment to gather and analyze the requirements of the Application.
* Implemented the user interface using **Java 11 and React JS** and extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking, and transactions.
* Built **React components**, and **UI** services to consume the rest services using Component based architecture**.**
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations, and Flux concepts**.
* Used **React JS** tools and libraries like **Axios** for building scalable and performant web applications.
* Worked with the **Vue.js** ecosystem and its key libraries and tools, including **Vuex** for state management, **Vue** **CLI** for scaffolding projects, and **Vue Devtools** for debugging and optimizing application performance.
* Used **Jest** for writing unit tests, ensuring the reliability and stability of the application.
* Experienced in working with **Redux architecture** for managing data flow and improving the performance of the websites.
* Implemented **lambda expressions, Stream API, Concurrency API, and J2EE** Design patterns like Business Delegate and **Data Transfer Object (DTO), Data Access Object, and Service Locator.**
* Designed and implemented business logic using **Spring** and **Hibernate** frameworks.
* Implemented **Spring Validators, Persistence layer,** and **service layer components** using **Spring/Hibernate API and Spring/Hibernate annotations.**
* Expertisein **Spring Framework,** including **IoC, AOP, DAO Support/ORM, Spring MVC, Spring Security, Spring Integration,** and **Spring Cache** to develop scalable and maintainable applications.
* Designed and developed the REST-based **Microservices** , Java modules implementing business rules and workflows using **Spring Boot**
* Used Java web frameworks like **Spring Security** and Apache Shiro to implement **JWT** and **OAuth**-based authentication and authorization mechanisms to manage user registration and login.
* Using **REST API**, **HTTP** requests, and implemented **JSON** format for data exchange between microservices.
* Implementing **RESTful** web services architecture for Client-server interaction and implemented respective **POJOs** for its domain-specific implementations.
* Involved in converting **Hive/SQL queries** into Spark transformations using **Spark RDD, Scala** and Python.
* Configured **Kafka** to read and write messages from external programs and to handle real-time data.
* Worked with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL relational databases** to **NoSQL** databases like **MongoDB**.
* Created test cases using **Jasmine** and executed them using **Karma**.
* Experience in writing test cases and testing Java applications using **JUnit, and Mockito** testing frameworks.
* Used **Postman** to automate **API testing** using Newman and integrating with **CI/CD** pipelines to improve the efficiency of development workflows.
* Worked with Application Servers and Web Servers including **IBM WebSphere, and Oracle WebLogic** for developing and deploying.
* Worked with Build Engineer on **Maven** Configuration to build and deploy on **WebSphere** Application Server.
* Extensively Used **Jenkins** as a Continuous Integration tool to deploy **Spring Boot** Microservices to **Pivotal Cloud Foundry (PCF)** using build pack.
* Used Drools Decision table using Excel sheets with a Spring **MVC** project.
* Used **SOAP** for Web Services by exchanging **XML** data between applications over **HTTP.**
* Configured **Log4j** tool to log based on different log levels and associated appenders for storing log messages.
* Working on **Docker** and **Kubernetes** on cloud providers, from helping developers build and containerize their applications (CI/CD).
* Used **Maven** goals for testing and packaging the various components and releasing them on **Apache Archival** for easy accessibility and maintenance within the organization. Implemented **REST web services** in **Scala** using **Akka** for tracking an application.
* Monitoring Resources and Applications using **AWS** Cloud Watch, including creating alarms to monitor metrics such as **EBS, EC2, ELB, RDS, S3** instances.
* Implemented **AWS IAM** for managing the credentials of applications that run on EC2 instances.
* Involved in raising questions for business, getting answers from them, bug fixing, and tracking is done by **JIRA**.
* Performed **GitHub/GitHub-Desktop** bash and Terminal commands to clone, fetch, merge and push the code and create pull requests for changes that are made.

**Environment:** HTML5, CSS3, AJAX, Bootstrap, jQuery, React, Redux, JavaScript, TypeScript, ECMA, Karma, Jasmine, Java 11, REST API, RESTful services, Spring Boot, Spring Security, Spring Cloud concepts, Spring Data JPA, JWT, OAuth, Kafka, Mongo DB, Postman, JUnit, Mockito, Maven, GitHub, Tomcat, Jenkins, AWS

**Aetna Sept 2021 to Aug 2022**

**(Atlanta, GA, US)**

**Role: Full Stack Java developer**

**Responsibilities:**

* Involved in various phases of the Software Development Life Cycle (**SDLC**) of the application like Requirement gathering, Design, Analysis, and Code development and the process using **Agile (Scrum)** methodology.
* Created front-end applications, and user-interactive (UI) web pages using **JavaScript, Angular 9, and Node JS.**
* Responsible for the overall layout design, and color scheme of the website using **HTML, XHTML, CSS3,** and **RWD**
* Responsible for creating detailed **wireframes** and process flows.
* Created Style, look, and feel of the web page with **SASS** to develop consistent and visually appealing web pages.
* Coded extensively using **JavaScript MVC Framework, and AngularJS** to make rich web Applications**.**
* Used **JavaScript** to make dropdown menus on web pages and displayed part of a web page upon user request.
* Used **Ajax, and JSON** to send requests to the server to check the functionality of the websites and added Dynamic Functionality by creating and dispatching Action Creators that deployed Actions.
* Experienced with **Angular 9** features such as **component-based architecture**, **dependency injection**, and **reactive programming.**
* Created **Typescript** reusable components and services to consume **REST APIs** using Component-based architecture provided by **Angular 9**.
* Implemented **Java 8** features such as **Lambda expressions, Streams**, and Optional.
* Developed and maintained web applications using **JSP,** and **Servlets**, ensuring cross-browser compatibility and adherence to industry standards.
* Implemented **REST Microservices** using **spring boot**.
* Generated Metrics with method-level granularity and Persistence using **Spring AOP** and **Spring Actuator**.
* Experienced in implementing **Microservices** architecture for the creation of components using **Spring Boot**.
* Developed **REST API** using **Spring** **MVC** and **REST Controllers** and generated **JSON**/**XML** formats **OOPS** design and core Java concepts such as Collections, Multithreading, and Exception Handling.
* Designing and implementing scalable, **REST,** and **microservices-based** mobile back-end.
* Recommend and develop a strategy for integrating the **internal security** model into new projects with **Spring Security** and **Spring Boot.**
* Developed batch processing solutions using **Spring Batch** and Utilized features such as chunking, parallel processing, and job partitioning to optimize performance and scalability.
* Built web applications using **Spring MVC** framework, following **Model-View-Controller** (MVC) architecture.
* Implemented **RESTful web services** using Spring MVC, and utilized features such as request mapping, data binding, and validation to handle user input and generate dynamic views.
* Developed microservices-based applications using **Spring Cloud**, leveraging features such as service discovery, circuit breaking, and centralized configuration management.
* Used **Spring Cloud Netflix** components such as **Eureka, Ribbon**, and **Zuul** to implement cloud-native architectures and enable horizontal scaling.
* Designed and developed database schemas using **Hibernate** and **JPA** annotations.
* Troubleshooting issues related to **Hibernate, Data JPA**, and JDBC by analyzing logs, identifying bottlenecks, and implementing solutions.
* Configured Hibernate to implement the ORM Mapping in the system using **XML** configuration files and used **Hibernate Template API** for database operations.
* Implemented the function to send and receive AMQP messages on **RabbitMQ** synchronously and asynchronously and send **JMS** messages to Apache ActiveMQ on the edge device.
* Designed, implemented, and maintained **Oracle** databases for enterprise-level applications.
* Used Oracle PL/SQL/PostgreSQL, including writing complex queries, creating stored procedures, triggers, and functions, and optimizing SQL statements for improved performance.
* Implemented testing frameworks such as **JUnit** and **Mockito** to ensure code quality and maintainability.
* Involved in writing test cases for unit testing using **JUnit** and **Selenium** for **UI** automation.
* Written scripts and assertions in **Postman** to validate API responses, request payloads, and for efficient and effective testing of various scenarios.
* Involved in working with Application Servers and Web Servers like **JBOSS** and **Apache Tomcat**.
* Developed **Docker-based** **Microservices** deployment modules with a **Jenkins-based** automation server.
* Skilled in using development tools such as **Eclipse** and **Maven** as build tools to develop and manage applications.
* Worked with Build Engineer on **Maven** Configuration to build and deploy on **WebSphere** Application Server.
* Monitoring Resources and Applications using **AWS** Cloud Watch, including creating alarms to monitor metrics such as **EBS, EC2, ELB, RDS, S3** instances.
* Experienced in Cloud automation using **AWS Cloud Formation** templates and worked with **Amazon IAM** console to create custom users and groups and created **EC 2** Instances on AWS Cloud, **EBS.**
* Building/Maintaining **Docker** container clusters managed by **Kubernetes Linux, Bash, GIT,** and **Docker** on **GCP**.
* Used **GIT** Repository able to configure and initialize repository to pull and push source code, begin, and stop tracking files also stage and commit changes**.**

**Environment**: HTML5, CSS3, AJAX, Bootstrap, jQuery, Angular9, JavaScript, TypeScript, ECMA, Java8, REST API, RESTful services, Spring Boot, Spring Batch, Spring MVC, Spring Cloud, Hibernate, RabbitMQ, Oracle, Postgres, Postman, JUnit, Mockito, Maven, GIT, Tomcat, AWS, JSON, XML

**DXC Technology July 2017 to July 2021**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Worked in an **Agile** environment, following **Scrum** or **Kanban** methodologies, and participating in sprint planning, stand-up meetings, and retrospectives.
* Responsible for creating efficient design and developing User Interaction screens using **HTML, CSS3**, **Bootstrap, JavaScript, Angular 6, React, Redux,** and **Node JS**.
* Used **JavaScript/HTML** for modifications and to add features to Mapping Locators on client's pages as per Client requirements.
* Developed a responsive web application using **React** and **Redux** and implemented **Redux** for state management and utilized **React Router** for client-side routing.
* Implemented real-time updates using **Socket.io** and utilized **Redux-thunk** middleware for handling **API** requests.
* Created an interactive dashboard using **React** and **Redux** that displayed real-time data analytics and utilized Redux for state management and implemented data visualization using D3.js.
* Used **Java 8** features like **Java Time API** to streamline the process of working with time and **Java stream API** for bulk data operations on **collections** and **Lambda** expressions for callbacks and event listeners and worked with core **Java 8, including Collections API, threads, generics, reflection**, and **JDBC**.
* Implemented **RESTful microservices** using **spring boot**, **Spring Integration**, **Hibernate**, **Spring Data**, and **MVC**.
* Developed **RESTful APIs** using **Spring Boot** framework to improve application performance and scalability.
* Designed and developed highly scalable and fault-tolerant distributed systems using **Cassandra**.
* Used **Mockito** framework to mock dependencies, stub methods, and verify interactions in unit tests, and PowerMock to mock static, final, and private methods in unit tests.
* Worked on developing **Microservices** and testing them by using both **SOAP** and **POSTMAN**.
* Automated **Nginx** deployments using tools such as Ansible or Docker and troubleshooted and resolved **Nginx** server issues, including error logs and performance bottlenecks.
* Deployed Java applications on **PCF** using Cloud Foundry **Command Line Interface** (CLI) or **PCF Web Console**.
* Implemented Blue-Green deployment and rolling deployment strategies in **PCF** and created custom build packs for deploying Java applications on **PCF.**
* Developed and maintained Java web applications using **Hibernate**, and Data JPA including Spring frameworks.
* Developed data processing applications using **Kafka** **Streams, Kafka Connect**, and **Kafka APIs** in **Java/Scala**.
* Designed and implemented **microservices** architecture with **Kafka** for communication between services.
* Successfully implemented **Cassandra**-based solutions to meet high-volume, low-latency data processing requirements for various business use cases.
* Demonstrated ability to simulate high user loads and stress testing scenarios using **JMeter** and used JMeter to validate API responses and request payloads.
* Created **Gradle** builds to build and deploy Spring Boot microservices to internal enterprise Docker registry.
* Used debugging tools such as **Eclipse** and **IntelliJ IDEA** to identify and fix issues in code.
* Used version control workflows such as **Git** and **SVN** trunk-based development.
* Involved in the day-to-day handling of **JIRA** issues (production issues at time) that involved data inconsistencies that required to be solved in very less time.

**Environment:** React, Redux, Angular, Java8, Microservices, REST API, RESTful services, Spring Boot, Hibernate, Kafka, Cassandra, JMeter, Gradle, Git, SVN, Agile, Nginx, PCF, JSON, XML, HTML, CSS3, Bootstrap, JavaScript

**Modak Jun 2016 to Jun 2017**

**(Hyderabad, India)**

**Role: Java/J2EE Developer**

* Designed and developed the front-end using **HTML**, **CSS**, **JSP**, **Struts** (tiles and tag libraries), and validation through **JavaScript.**
* Responsible for developing the UI pages using **Angular 2/4/6, HTML5, CSS3, JavaScript,** and **Bootstrap**.
* Used **JavaScript** to make the changes dynamically on the client page to improve the performance by decreasing the number of hits to the server.
* Used **Angular** and developed multiple **Angular** applications with optimized performance, cross-browser compatibility, and accessibility.
* Extensively used the **J2EE** design patterns like Session Façade, Business Object (BO), Service Locator, Data Transfer Object (DTO) and Data Access Object (DAO), Singleton, and Factory.
* Worked with **Spring MVC** security features (authentication, authorization, JWT) and worked on Spring MVC validation and error handling techniques.
* Developed **Hibernate** in Data Access Layer to access and update information in the database and created a model layer using **Hibernate** and extensively used its API to perform crud operation.
* Used **Java Messaging Services** (JMS) for reliable and asynchronous communication and was involved in testing the **JMS** integration between queues and topics.
* Utilized **DB2** to persist the operations performed by users like adding new forms, selecting policies for the commercial package, etc.
* Developed scalable and efficient data-driven applications using **Oracle** databases, which improved data processing and enhanced the overall performance of the applications.
* Used **SOAP UI** to simulate different scenarios and test edge cases and to automate API testing and integrate with CI/CD pipelines.
* Worked on Tuning the **WebLogic** Application Server, Applications, and Webservers by changing the Heap Size parameters and tuning JVM’s Garbage Collector.
* Used **PCF** for developing and deploying microservices architecture.
* Responsible for creating project repository in Git, branching, and merging activities and used **GitHub** for version controlling, creation of new releases, and fixing pre-reg issues for TEST Builds.

**Environment:** HTML, CSS, AJAX, Bootstrap, JQuery, Angular 4,6, 8+, JavaScript, TypeScript, ECMA, SOAP, Spring MVC, Hibernate, JMS, DB2, Oracle, Git, WebLogic, PCF

**Apps Associates June 2013 to May 2016**

**(Hyderabad, India)**

**Role: Java Developer**

* Involved in all phases of the Software development life cycle (**SDLC**) using **Agile Methodology**, designed use case diagrams, class diagrams, and sequence diagrams as a part of the design Phase.
* Developed UI using **JSP, JSF, HTML, CSS, JavaScript, and jQuery** and Worked on complete design, and coding using **JSP, and Servlets.**
* Developed **JSP** custom tags required for the presentation layer to enhance the functionality of web applications.
* Designed and developed applications using **J2EE** technologies.
* Extensively used the **J2EE design patterns** like **Session Façade**, Business Object (**BO**), Service Locator, Data Transfer Object (**DTO**) and Data Access Object (**DAO**), Singleton, and Factory.
* Developed Java modules implementing business rules and workflows using **Spring Boot**
* Implemented the application specific **SOAP** based Web services to transfer data in real-time between EXPERE document engine, Teamwork’s BPM tool, and other legacy systems by utilizing WSDL, **SOAP**, Axis, and JMS technologies.
* Extensively worked on **Spring JDBC**, **Spring Hibernate ORM** for mapping database tables and **JPA**
* Used **MySQL** database for **SQL, PL/SQL scripts**, stored procedures, functions, triggers, and views.
* Experience with **SQL, and PL/SQL** including writing complex queries, creating stored procedures, triggers, and functions, and optimizing SQL statements for improved performance.
* Used **Gradle** build tool for building and managing Java projects and developed custom **Gradle** plugins to extend functionality for specific project requirements.
* Used **SVN** in managing code repositories, branches, and mergers and SVN branching and tagging strategies for release management.

**Environment:** HTML, CSS, JavaScript, jQuery, JSP, Servlets, J2EE, Spring Boot, SOAP, SQL, PL/SQL, MySQL, Gradle, SVN, Agile

**EDUCATION:** **B. Com computers 2013**