**Thirupathi Rao M** thirupathiraomeesala@gmail.com

**+1(913) 297-9631 https://www.linkedin.com/in/thirupathimeesala**

**PROFESSIONAL SUMMARY:**

* Around **10 years** of IT experience in **Full Stack Developer** with Object Oriented Programming, Analysis, Design, Documentation, Integration, Testing, and Implementation of Client - Server, Distributed Multi-tiered and Large-Scale Enterprise applications in **Waterfall** and **Agile**methodology using **JAVA** and **JEE**technologies.
* Strong knowledge of **Object**-**Oriented Analysis**/ **Design** (OOA & D) and development, database concepts, data modelling, mainly in enterprise web applications using **J2EE**.
* Hands-on experience with **Core Java** concepts such as **OOP Concepts**, **Collections, Exception Handling, Multi-Threading** and sound knowledge on **Data Structure** and **Algorithms**.
* Hands-on development experience in various Spring components like **Spring MVC**, AOP, **CORE**, Reactive, **Hibernate**, **Spring IOC**, Spring Cloud, Spring JDBC, **Spring JPA**, **Spring Securities**, Spring Microservices, **Swagger APIs,** and developed strategy for integrating internal security models.
* Extensive work experience on **Spring Framework**modules like **Spring Core, Spring Web, Spring JDBC, Spring Rest Services, Spring Batch, Spring AOP, Spring Transaction**and **Spring Security**.
* Used **Hibernate** ORM framework as persistence engine and configured O/R mapping and worked with Hibernate Connection Pooling, HQL, Collections, Hibernate Caching, Hibernate Transactions.
* Expertise in implementing and deploying **SOAP API** Web Services and **Restful Web Services** JAX-RS to develop dynamic **server**-**side web content**.
* Solid experience in Java Database Connectivity; **JDBC API, Entity Beans, DAO Pattern**, and configuring data sources on **Web sphere** and **Web logic App Server.**
* Expertise in the implementation of Core concepts of **Java, J2EE Technologies**: **JSP**, **Servlets**, **JSF**, **JSTL**, **EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS**, **Struts**, **Spring**, **Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading** etc.
* Worked on **Lambda Expressions**, Functional interfaces **Stream API's**, Time API, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8.**
* Working knowledge in User Interactive (UI) Web Pages using front end technologies like **HTML5, CSS, JSON**, **JSTL**, **Bootstrap, JavaScript, jQuery, AngularJS, ReactJS, ExpressJS, NodeJS, GraphQL and AJAX.**
* Experienced in working with **MEAN** stack development using **MongoDB**,**Express, Node**, and **Angular**.
* Experience in Node environment using **Node.js**, NPM, Grunt and Groovy Bower. Experienced in working with **node.js** and **NPM**modules like **http-server, Marathon, inquirer, path, mongo DB, Micro Services, Request, Elastic Search, express, luck, spark,**and **templating engines.**
* Strong knowledge of **JavaScript Unit testing** with **Jasmin**, **Karma**, **Protractor** for Angular, **Mocha** and **Chai** React JS and **Cucumber**, **Citrus** for web services automation.
* Ample experience in back-end technologies including **SQL** databases such as **PostgreSQL, MySQL,** and **Oracle Database** and **NoSQL Databases** such as **DynamoDB, MongoDB** and **Cassandra.**
* Experience in developing automation framework for testing using **Selenium**, **JUnit**, **TestNG** and Mockito. Extensive experience in the design and development of QA Automation test using programs as **Postman**, **Swagger** and **AccelQ**.
* Experience working with cloud technologies like Amazon Web Services (**AWS**), Microsoft Azure, and Google Cloud (GCP).
* Good experience in Amazon Web Services (**AWS**) environment & knowledge of AWS services like **Elastic Compute Cloud (EC2)**, Elastic Load-balancers, Elastic Container Service (Docker Containers), **S3**, Elastic Beanstalk, Elastic File System**, RDS, DMS, VPC, Route53, Cloud Watch, Cloud Formation, IAM**.
* Experience in working, setting up the **CI/CD** pipelines using **Jenkins** by writing **Groovy** scripts and integrating the pipeline with GIT, Bitbucket, SVN and with Maven for build automation.
* Understanding on **ANT** and **Maven** with respect to their tags, tasks and targets, dependencies, and co-ordinates to write **pom.xml** and **build.xml**.
* Experience in using **XML** based technologies like **XSL**, **XSLT,** parsers **DOM**, **SAX**, **JAXP**, and **JAXB**

**Technical Skills:**

|  |  |
| --- | --- |
| Programming Languages | Java, Python |
| Web Technologies | JavaScript, HTML5, CSS3, Servlets, JSP, JSTL, JDBC, JMS, JSON, node.js, jQuery, Bootstrap, AJAX, and Java Beans |
| Frameworks | Struts, Spring (Dependency Injection, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC), and hibernate |
| Front End Libraries | ReactJS, AngularJS, ExpressJS and BackboneJS |
| XML Technologies | XML, XSL, XSLT, DOM, and JAXB |
| Web/App. Servers | IBM WebSphere, Apache Tomcat, Web Logic, and JBOSS |
| Relational Databases | PostgreSQL, MySQL, and Oracle Database |
| NoSQL Databases | MongoDB, Cassandra, and DynamoDB |
| IDE Tools | Eclipse, IntelliJ, Net Beans, and Visual Studio Code |
| Methodologies | Agile, Scrum, Waterfall, and TDD (Test Driven Development) |
| Tools | Junit, Selenium, TestNG, and Mockito |
| Cloud Environments | AWS, Azure and GCP |
| Development Tools | Eclipse, Rational Application Developer (RAD), NetBeans, IntelliJ |
| Web Services | SOAP, Microservices, and RESTful |
| Build Tools | Ant, Maven, and Jenkins |
| Version Control Tools | GitHub, Bitbucket, CVS, SVN, VSS, and Rational ClearCase |

**Work Experience:**

***Client:******APPLE-TXT July 2022 – CURRENT***

***Role: Full Stack Developer***

***Responsibilities***

* Actively pursued requirement gathering and pointing stories following sprint pattern to implement development work following the Agile methodology.
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection.
* Implemented cloud native application using Spring Cloud.
* Involved in the Development of Spring Framework Controllers.
* Developing application using spring core module and POJO's using Eclipse and worked on Messaging service
* Used HTML, CSS, TypeScript, JavaScript, jQuery, JavaScript, Ajax for developing the web interface.
* Developed user interface using JSP, JSP Tag libraries JSTL, HTML5, CSS, and JavaScript to simplify the complexities of the application.
* Designed and developed RESTful style Web Service layer and WSLD.
* Integrated Spring DAO for data access using Hibernate.
* Used Hibernate ORM tools which automate the mapping between SQL databases and objects in Java.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Created hibernate mapping files to map POJO to DB tables.
* Wrote SQL queries for JDBC prepared statement and used callable statements to call stored procedures.
* Implemented unit test for testing Angular components with frameworks using KARMA and JASMINE
* Used JavaScript frameworks to develop web UI AngularJS using Node Package Manger NPM for Web application.
* Involved in the Development of Spring Framework Controllers.
* For transferring and retrieving data between different applications we used XML.
* Used FIX Protocol API as a standard to create admin and application messages for some modules that dealt with trading and financial records.
* 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.
* Built Angular 9 components, UI services to consume rest services using Component based architecture provided by Angular 9
* Used Docker, spring boot, JBOSS, Azure, Cassandra.
* Deployed applications on Azure by using AppDynamics.
* Design and develop scalable, secure, and highly available web applications using Java and GCP technologies.
* Installed (GUI, Silent mode) configured and maintained IBM WebSphere Network Deployment Server.
* Deployed EARs, WARs in the WebSphere Application Servers.
* Implemented a generic interface to Hibernate criteria API for UI search functionality.
* Involved in designing and implementing the caching functionality in developing and accessing the Database using Elastic search.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Deployed the Java applications into web application servers like Apache Tomcat.
* Installation, Configuration, Troubleshooting and Maintenance of BEA WebLogic server
* Moving existing monolithic architecture to Micro services and migrating them to AWS cloud.
* All the functionality is implemented using Spring IO / Spring Boot, Microservices and Hibernate ORM.ec2
* Created functions and assigned roles in AWS Lambda to run python scripts, and AWS Lambda using java to perform event driven processing.
* Developed Python webservices for processing JSON and interfacing with data layer.
* New full text search feature implementation with advanced search queries. (elastic search, java)
* Built new analytics solution for customers. Uses elastic search as backend.
* Built S3 buckets and managed policies for S3 buckets and used S3 buckets and Glacier for storage and backup on AWS.
* Involved in initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
* Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Managed AWS infrastructure as code using Terraform.
* Currently working on fitness tool which aids in Test Driven Development (TDD).
* Implemented unit test for testing Angular components with frameworks using KARMA and JASMINE.
* Designed and developed the Presentation layer using Angular 4 and written logics using Typescript.

**Environment**: Java 1.8, J2EE, JSP 2.0, PL/SQL, Angular JS, Spring 2.0, EJB 2.0, Kafka, Angular 9, JMS, JNDI, Oracle, XML, SOAP, Junit, Apache Camel, Web Sphere 8.5, GCP, hibernate 3.0, Microservices, AWS, Elastic search, Terraform, JDBC, MS SQL Server 2012, JESS, RESTful Web service, SOA Design Patterns, Cassandra, LDAP, NOSQL.

***Client: Mastercard Aug 2021 – July 2022***

***Role: Full Stack Developer***

***Responsibilities***

* Used Spring Boot for the application development.
* Used Spring MVC and Dependency Injection for handling presentation and business logic.
* Consumed Web Services to interact with other external interfaces to exchange the data in different forms by using RESTful service.
* Implemented RESTful and SOAP based Web Services and used Soap UI for testing.
* To maintain loose coupling between layers published the business layer as services and injected necessary dependent components using Spring IOC and published cross cutting concerns like Logging, User Interface exceptions, Transactions using Spring AOP.
* Developing user-friendly GUI interface and Web pages for Client-side validation using Angular 9, Angular 8, Angular 7, Angular 6, HTML, SCSS, CSS.
* Create RDS servers for data storage and EC2 Instances on AWS for running backend servers.
* Worked on the orchestration layer for communicating between the Microservices and persisting the data in the Cassandra database.
* Performed deployment of applications on AWS.
* Worked on Amazon AWS cloud services like Writing Lambda functions for producing data from different sources, S3 as storing the data, SNS, SQS, RDS, IAM for security, Cloud Front, Cloud Watch for logging the error.
* Performed Junit test cases using Mockito for increasing the test coverage for Jenkins’s build pipeline.
* Worked on Micro Services to provide Restful API utilizing Spring Boot to process the messages into the Kafka cluster setup.
* Created Docker images and ran the Docker containers in various environments
* Configured Kafka to read and write messages from external.
* Involved in development of Restful web services using MERN stack, MongoDB, Express React-Redux and Node JS.
* Developed various single page applications (SPA) using React JS and used various components in the redux library.
* Used React-Routers for connecting the APIs, which enforces the communication to the server while also implementing mock services in Node.js with the help of modules using Express.js.
* Developed dashboard based on Ajax calls with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using Node JS.
* Developed, maintained, and distributed release notes for each scheduled release. programs.
* Develop APIs in Spring Boot Microservices architecture.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Use of Docker and Kubernetes to manage micro services for development of continuous integration and continuous delivery.
* Used OpenShift to modernize its IT infrastructure and streamline its application development and deployment processes.
* Worked at all stages of project including Postproduction Support. Worked on Build tools such as Grunt, Gulp, Web pack.
* Involved in Bug fixing of various modules that were raised by the testing teams in the application during the Integration testing phase.
* Used Git for versioning control.

**Environment**: Spring Boot, Spring MVC, RESTful services, Spring Security, JMS, Hibernate, JSON, AWS, JSP, HTML, CSS, Bootstrap, Angular 9, Oracle, Junit, Mockito, JIRA, Git, Agile, Docker.

**Client: Caliber Home Loans, San Francisco, CA. Apr 2019 to July 2021**

**Role: Full-stack Developer**

**Responsibilities:**

* Worked with a highly motivated team in domain in developing a large scale, multi-tiered application using Spring boot, producing, and consuming them as RESTful webservices.
* Involved in building a single page and cross browser compatible web application using Angular 9/10 (Angular routing) and Bootstrap.
* Worked with Core Spring Framework for Dependency Injection, Spring Context to provide message sources.
* Developed responsive UI Webpages using HTML5, CSS3, jQuery, Angular 9, JavaScript.
* Closely worked with Kafka Admin team to set up Kafka cluster set up on the QA and production environments.
* Had knowledge on Kibana and elastic search to identify the Kafka message failure scenarios.
* Created Angular 9 components, implemented interpolation, input variables, Bootstrapping, Ng-for, Ng-if, Router Outlet, binding the events, decorators.
* Designed and developed the REST based Microservices using the Spring Boot, Spring Data with JPA (Java Persistence API).
* Implemented core features of Angular 9 framework such as dependency Injection, Databinding, Filters, Directives, Templates, and services.
* Support and Enhancement to the existing implementation of correspondence components which are developed using JPA and Web Services /JMS Technologies.
* Worked extensively on developing controllers, Interfaces and implementation classes using Spring MVC framework & used Microservice architecture with Spring Boot based service through REST.
* Responsible for consuming the REST services, getting JSON response, and parsing them to get the required information.
* Utilized Fargate Auto Scaling to automatically adjust the number of containers based on traffic and application load, ensuring optimal performance and cost efficiency.
* Implemented LESS Variables to manage and reuse style values and definitions, improving code maintainability and consistency.
* Designed and developed JAX-RS resource classes, representing web service endpoints and operations, improving code organization and maintainability.
* Managed and secured WebLogic server instances, including user authentication and access control, to improve application security and compliance.
* Involved in development of REST Web Services using Annotations to extract client related data from databases. Built Restful API web services using MongoDB to store and present assessments.
* Used JSON parser to extract data from the End points using REST clients to display data to the front end.
* Used Hibernate Query Language (HQL) for accessing data from database and created Hibernate POJO Objects and mapped using Hibernate Annotations.
* Written SQL queries & PL SQL- stored procedures, functions, triggers, cursors, sequences, and indexes which are going to be invoked by batch processes.
* Managing the **OpenShift** cluster that includes scaling up and down the AWS app nodes.
* Deployed Spring Boot based Micro services Docker container using Amazon EC2 container services and using AWS admin console.
* Interacted and worked with the development team to analyze the defects and reported them in Jira and tracked them for closure.
* Used POSTMAN to test API end client using REST Web Services.
* Used GitHub as version controlling tool and maven for building the application.
* Use Swagger for creating API usage documentation.
* Used Splunk to set up dashboards and alerts for applications.

**Environment**: Java 8, Spring Boot, Microservices, HTML5, CSS3, AJAX, jQuery,Hibernate, Bootstrap, Servlets, Angular 9/10, JSF, JavaScript, XML, XSLT, CXF, XPATH, REST, IBM WebSphere, JMS, Maven, AWS, Postman, JUNIT, Mockito, GIT, Jira, EMMA, IntelliJ.

**Client: Merit Systems Private Limited, India May 2016 – Feb 2019**

**Role: SRJava Developer**

**Responsibilities:**

* Responsible for gathering and understanding the system requirements by interacting with clients.
* Designed and developed GUI screens for user interfaces **using JavaScript, XSLT, XML, HTML5, CSS3, JQuery, and DHTML.**
* Integrated the databases by writing databases configuration classes using **Spring JDBC** and **Java persistence API.**
* Developed application on **Spring framework** by utilizing its features like **Spring Dependency injection**, **Spring Beans**, **Spring Security**, **Spring JPA**, **Spring Web flow using MVC.**
* Developed web application using **JSP** custom tag libraries, **Struts Action classes** and Action. Designed **Java Servlets** and Objects using **J2EE standards**.
* Worked on creating **Angular** **custom pipes** to sort the history of various customers through order of date, year and month, ngFor for display of the history of customer details in tables.
* Used Core, Context, and Security, Bean modules of **Spring Framework**.
* Used the fundamentals of **Java8** features like parallel streams and filters through lambda expressions to handle searching.
* Used **Spring Boot** which is radically faster in building cloud **MicroServices** and develop **Spring** based applications with very less configuration.
* Used **Spring IOC** for specifying the dependencies of the objects using dependency injection.
* Implemented **ORM** frameworks such as **Spring Data**.
* Implemented modules into **Node JS** to integrate with designs and requirements.
* Developed **Restful** web services using **JAX-RS** in JERSY to expose data to **Spring module**.
* Used **JQuery** framework for creating front end applications and for **Client-Side** validations.
* Created Stored Procedures, **SQL** **Statements** and triggers for the effective retrieval and storage of data into database.
* Worked with **NoSQ**L database **MongoDB** to store JSON like dynamic connections data.
* Designed and developed the REST based Microservices using the **Spring Data** with **JPA,** Developed and Implemented **WebServices** and used **Spring Framework**.
* Prepared internal Wiki documentation which explains the working of the developed API’s and how internal teams can use these API’s; Followed standard documentation procedure by providing the request/response expected/returned by the respective backend API.
* Used **JUnit framework** for unit testing of application and**Log4j** to capture the log that includes runtime exceptions.
* Used **AWS CloudFront**, including creating and managing distributions to provide access to **S3 bucket** or HTTP server running on **EC2 instances**.
* Secured the API's by implementing **Oauth2**token based authentication/authorization scheme using **spring security**.
* Creating, managing, and performing container-based deployments using **Docker** images containing Middleware and applications together.

**Environment:** Java, Spring Boot, Microservices, AWS, Kafka, XML, HTML, AngularJS, Hibernate, JavaScript, CSS, JQuery, SOAP, Restful, WebLogic, MQ Series, Junit, Gradle, Git, Jenkins, Jersey, Agile.

**Client: Synopsis, India Jun 2014 – April 2016**

**Role: Front end Java Developer**

**Responsibilities:**

* Developed Web pages from scratch using HTML5, CSS 3(using SASS) and JavaScript.
* Used Angular 4 component router for navigation. Worked with Angular 4 directives, components, pipes, and injectable.
* Programmed in Angular 4 to upload (post) files/images to the AWS S3 browser from the Front-end by installing NPM package of AWS-SDK.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 4.
* Involved in the development of services with Angular 4 injectable property, as to make the service available for dependency injection when creating components.
* Utilized create-react-app to launch product to stay update with the most current web pack and babel build configurations.
* Performed Verification and validation process for the code written by making use of Jasmine and Karma JavaScript testing framework by testing across various scenarios of the Angular 4.0 applications.
* Worked with the Node package manager (NPM) along with Gulp.
* Worked with SASS to build better and optimized Style sheets.
* Designed and developed RESTFUL web services using Spring Boot and Jersey framework.
* Used Spring Boot which is radically faster in building cloud Micro Services and develop Spring based application with very less configuration.
* Have knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Worked with various features in spring such as Spring AOP, Spring Transaction management.
* Implemented Spring Bean Factory using IOC Configured Bean properties using dependency injection.
* Migrating existing application into REST based Micro services to provide all the CRUD capabilities using Spring Boot.
* Used Swagger specification for documenting REST API's which exposes description of a RESTFUL web services to different clients.
* Worked with Netflix OSS Eureka service in spring cloud for service registration and discovery and spring config for centralized configuration and used ribbon for client-side load balancing.
* Created various Docker images from the Docker containers and published these images in the Docker hub repository.
* Deployed the Dockerized Spring Boot application using AWS Elastic Bean Stalk (EBS).
* Worked on Deployment Automation of all micro services to pull image from Private Docker registry and deploy to Kubernetes Cluster.

**Environment:** Angular 4, HTML5, CSS 3, JavaScript, AWS S3, Gulp, RESTful Web Services, Web Pack, Babel, Jasmine, Karma, Spring Boot, Jersey, Micro Services, Rest Services, AWS, Node JS, GitHub, JIRA, Jenkins, Docker.