**SUBBA RATHNAM T**

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**Java Full Stack Developer**

**PROFESSIONAL SUMMARY**

* Having around 8 years of Professionalexperience in all phases of Software Development Life Cycle (SDLC) including Requirement Gathering, Analysis, Design, Development, Testing and Maintenance of web-based applications using **JAVA/J2EE** technologies.
* Proficient in designing and coding web applications using **Core Java** and **J2EE** technologies.
* Extensive experience in Web application development using - **HTML, CSS, JavaScript, Bootstrap, Typescript, Ajax, AngularJS, React JS** and **Angular 7**.
* Expertise in web and application servers **like JBoss, Apache Tomcat** and **Glass Fish**.
* Experience in test driven development, pair programming, agile methodologies and waterfall methods including **SCRUM** and **KANBAN.**
* Good knowledge in Redux,Spring Framework and experience on the **MongoDB**, Spring modules like **Spring Boot,Spring DAO, Spring IOC, Spring security, Spring web flow,Spring MVC** and **Spring AOP**.
* Experience and working knowledge in **OOPS** and **OOAD** concepts, Java 8, Java EE (JSP, JDBC, Servlets, EJB, JNDI),Jenkins, Log4J, JMS, Oracle webcentre suite, XML and web services like **RESTful, SOAP, WSDL** and Axis.
* Extensive experience of working with **RDBMS** like Oracle 11g/12 c, MySQL, SQL Server and developing SQL Queries.
* Good knowledge and expertise in end-to-end testing using **Mockito,JUnit.**
* Good knowledge on Caching, Clean code, NoSQL databases including NEO4J, CASSANDRA, **MongoDB** for the cluster management with **Apache KAFKA** as messaging system and telecom methods, order to bill and activation.
* Good knowledge and experience in relational databases like **Oracle, DB2, PL/SQL, SQL\*Plus, Puppet, MySQL,**procedures, and functions and created web service interface for Java based runtime environments.
* Expertise in **Swagger**, **AWS** cloud platform which includes services like **S3, EBS, VPC, ELB, EC2, AMI, RDS, Glacier, ELASTIC BEAN STALK, Route 53, LAMBDA, Cloud Front, Cloud Formation, Cloud Tail security groups** and deploying applications in AWS as EC2 instances.
* Expertise in **Windows, UNIX, OSX** operating systems and both **Microservices** and **Monolithic** based architecture.
* Expertise in Process Improvement and Continuous Integration using **Bamboo, Jenkins**and Code Refactoring and **TDD** (Test Driven Development).
* Experience in writing build scripts using **Maven, Gradle.**
* Experience in using various version control systems like **SVN** and **GIT.**
* Experienced in using tools like **Jasmine, Karma** to create unit test cases and test individual functions/ modules for Angular applications.
* Skilled in using IDE tools such as **Eclipse, IntelliJ IDEA** and **Spring** tool Suite

**TECHNICAL SKILLS:**

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| **Programming Languages** | C, C++, Java/J2EE, SQL, PL/SQL, Python |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, Spring MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka. |
| **Frameworks** | Spring, Hibernate, MEAN Stack |
| **Scripting Languages** | JavaScript, TypeScript, jQuery |
| **Web Technologies** | HTML/HTML5, XML, CSS/CSS3, Bootstrap, JSP, Ajax, NodeJS, Express, ReactJS, AngularJS, Angular 2.0 and above |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **IDE’s** | Visual Studio Code, Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Databases** | Oracle, MySQL, NoSQL, MongoDB |
| **Operating Systems** | Windows, MacOS, Unix, Linux (Ubuntu, Red Hat) |
| **Version Control** | CVS, Clear Case, SVN, GitHub, Bitbucket |
| **Methodologies** | Agile, Waterfall |
| **Others Software Skills/tools used** | MS Office, Visio, Adobe Photoshop, HPALM, JIRA |
| **Build Tools** | Maven, Gradle, Ant |

**PROFESSIONAL EXPERIENCE**

**Java Full Stack Developer**

**TRAVEL PORT – Englewood, CO Aug 2019 to Present**

**Responsibilities:**

* Expertise in handling the **SDLC** phases like the Requirements Specification, Analysis, Design, Implementation, Testing, Deployment and Maintenance.
* Designed and developed various web and enterprise business applications and implementing and testing of software systems in **Java, J2EE, REST API**, **Spark SQL** and **AWS** Technologies.
* Used Java8 features like stream and Lambda expressions.
* Working knowledge with **XML** and **XSLT** by integrating and using them in Java Environment.
* Designed, developed, and implemented **Spring Boot Microservices** to convert **the monolithic application** into multiple **microservices.**
* Developed Spring Modules like **spring** (**Spring IOC, Spring AOP, Spring MVC, Spring Boot, Spring Security**) and implemented Bean classes and configured in spring configuration file for **Dependency Injection**.
* Developed a web application for connecting care providers and members. We have exposed the services as **Rest Web Services**.
* Configured Spring Hibernate transaction manager and used spring declarative transaction management with various propagation levels.
* Expertise in front-end UI design implementations by writing **HTML5/HTML, CSS3/CSS, Bootstrap, JavaScript** to make better Single Page Application working on **Angular 7.**
* Designed services and factories and injected into various methods and designed customized filter techniques in the webpage using **Angular 7.**
* Created popup forms using **Bootstrap, Angular 7**, and Controller to update entity modules and database. Used Custom Angular Filters to provide better search experience.
* Designed and developed **REST web services** for validating address.
* Worked on creating, retrieving, updating, and deleting documents in **MongoDB.**
* Composed and executed **MongoDB** scripts and queries to fetch and test data from **NoSQL** databases.
* Unstructured data was handled using MongoDB and used Mongoose Connector for connecting to database.
* Used **Spring Kafka API** calls to process the messages smoothly on **Kafka** cluster setup.
* Implemented Test cases using Junit and Tested web services with **REST** Client.
* Implemented the Continuous Delivery pipeline with **Docker,Jenkins and GitHub** and **AWS AMI’s**.
* Used Gradle build tool to automate the process of generating Docker files, building Docker Images and pushing them to Docker Private Registry.
* Worked on **CI/CD** process implementation using **Maven and Jenkins**.
* Integration of **Amazon Web Services(AWS)** with other applications infrastructure.
* Amazon **EC2**is also used for deploying and testing the lower environments such as Dev, INT and Test.
* Amazon **IAM** was used to maintain the user credentials and also involved in creating custom **IAM** policies to various groups defined within the organization.
* Object storage service Amazon S3 is used to store and retrieve media files such as images.
* Developed API using **AWS Lambda** to manage the servers and run the code in the AWS.

Environment: Java8, J2EE, Spring MVC, REST, SOAP, Restful API, JDBC, JSP, LDAP, Multithreading, Hibernate, XML, JAXB, JMS, JavaScript, Eclipse, Angular 7, Spring framework,Maven, Jenkins, Docker, MongoDB, AWS, Agile.

**Java Full Stack Developer**

**HOMESITE INSURANCE – Boston, MAAug 2018 to July2019**

**Responsibilities:**

* Worked in a highly dynamic **AGILE** environment and participated in scrum and Sprint meetings. Participated in Iteration planning, requirements analysis, design, coding, testing, and documentation.
* Designed and development of User Interfaces, tables using **HTML, CSS and Typescript, Angular7**.
* Used **OOPS** concepts like Encapsulation, polymorphism, collections, and multithreading.
* Used **Java 8** Method References feature to point to methods by their names and used functional Interfaces.
* Used **POSTMAN** to check the json data received from the services.
* Used Web services for sending and getting data from different applications using **SOAP** messages.
* Integrated **Spring Boot Hibernate** and **JPA** framework.
* Used **Hibernate** Framework for object relational mapping and persistence.
* Converted a monolithic app to **microservices** architecture using **Spring Boot** using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in PCF.
* Migrating existing application into microservices architecture using Rest APIs, spring boot, Spring Cloud configand **AWS**. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Used **Microservices** to ensure the scalability of application on cloud infrastructure.
* Used **MySQL** database and written number of **SQL queries** for retrieving the data and validated that data against the business rules.
* Worked on **Swagger** API and auto-generated documentation for all **REST** calls.
* Used **MAVEN** as a Build Process and used generating Documentation, Reporting, and adding Dependencies.
* Implemented **CI CD** pipelines using **Jenkins** and build and deploy the applications.
* Created a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using **Jenkins** and **GIT**.
* Fixed the bugs in the existing application by tracking in **JIRA**.
* Used **GITHUB** for Repository Management.
* Involved in System Testing, Integration Testing, and Production Testing on WebLogic Server.
* Worked with **Docker** for creating Docker images using Docker file and Docker Compose file.
* Restful Web services for other systems to interact with our system and secured the service with **Spring-Security Oauth-2.0**.
* Wrote Operations and corresponding handlers to communicate with Oracle database sitting on **Linux/Unix** server
* Implemented to reprocess the failure messages in**Kafka** using offset id.
* Developed integration modules for disparate clients using **Apache Camel**.
* Development of Continuous FTP service of encrypted large files between distributed systems using Apache Camel.
* Created **Docker** container images by tagging and pushing the images and worked on the infrastructure using Docker containerization.
* Developed unit test cases using **Mockito** framework for testing accuracy of code and logging is done using SLF4j + Log4j .
* Developed story/task by following TDD/BDD and **Pair programming** concepts.
* Deployed the Spring Batch application on **Pivotal Cloud Foundry** (PCF) instance and bind the services like **Java** and **PostgreSQL** services.
* Monitored and maintain the logs of PCF Spring Batch application from PCF Apps manager.

**Environment**: Java/JDK, Spring Batch, Spring Boot, Spring MVC, AWS, Hibernate, JSON, RESTful, Eclipse, MAVEN, JUnit, APIGEE, Jenkins, MongoDB, Agile Methodology, GIT, Docker, Kubernetes and Log4J, Swagger, Angular 7, HTML5, CSS3, J-Query, Node.JS,TypeScript, AJAX, POSTMAN, Microservices, Bootstrap.

 **Java/J2EE Developer:**

**EVOLGENCE IT SYSTEMS – Hyderabad, India Feb 2016 to Dec2017**

**Responsibilities**:

* As a developer coordinated with offshore team and client in understanding the business process and requirement understanding.
* Understanding and analysing the requirements.
* Developed the full stack e-commerce(bell.ca) web application for several products such as Security page, online accounts opening and user login components using Java, Spring, JSP, JavaScript, **HTML5, CSS3, Ajax, jQuery,** and **Bootstrap**.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **HTML5, CSS3, JavaScript, Typescript, Angular**, and **Bootstrap.**
* Created Typescript reusable components and services to consume **REST API's** using Component-based architecture provided by **Angular.**
* Experience in implementing microservices using **Spring Boot.**
* Good experience in developing Applications using **Spring MVC** framework implementing **Controllers,Spring Forms, Spring Validation Framework** and Spring Tag Libraries.
* Provided connections using Spring Data **JPA** to the database and developed **SQL/PL-SQL** queries to manipulate the data. Implemented DAO pattern to fetch data from database using Hibernate.
* Experience in delivering high quality **microservices** backed by an extensive testing framework to ensure a secure and functional set of services.
* Developed and deployed the war/EAR files on to WebSphere Application Server 7 in legacy application and worked with Pivotal Cloud Foundry (PCF) to deploy **Spring Boot microservices** and bound Spring cloud services like Config server, Service Registry.
* Worked with tools like **Splunk,Grafana,** App Dynamics and Zipkin for monitoring the issue/defects at micro service level.
* Used Jenkins for continuous integration. Used it for automatic deployment of code into server and to run all the test before generating war file. Also, to send automatic mails to the users if the job fails.
* Performed the database access tasks using **JDBC** and other related information from auto generated files
* Worked with **SOAP** Web Services (JAX-WS using Axis 2.0) for creating the discount summary, also used **WSDL** and **SOAP** messages (XML technologies) for getting data from different module and SAX XML parsers being used for data retrieval Used Jenkins for Continuous Integration and deployment into WebLogic application Server.
* Designed and developed necessary **PL/SQL** for the database operations as needed.
* Worked on database interaction layer for insertions, updating and retrieval operations of data from data base by using queries and writing stored procedures.
* Deployed Enterprise application using **WebLogi**c application Server.
* Used Maven for building and deploying the application.
* Used **UML** to develop Use case diagram, class diagram and sequence diagrams.
* Involved in writing Junit test Cases, Rest Assured, and used Sonar for code coverage.
* Used GitHub for version control and configured Hudson for dependencies and Log4J for logging.
* Performed Test Execution using Jenkins for continuous integration testing and raised defects using JIRA and kept track on status regularly, resolving the issue.

Environment: Java, J2EE, UML, JavaScript, CSS, JSP, JDBC, Servlets, Struts, SQL, Oracle, MVC, Hibernate, WebLogic, Junit, Log4J, JMeter, Sonar, Nexus IQ, Maven, Pivotal Cloud Foundry, Splunk, AppDynamics, MVC, HTML5, CSS3, Bootstrap, jQuery, JavaScript, Angular, XML, JSON, JMS, Spring Security, Spring MVC, Spring AOP, Spring DI, Spring Boot, JSON, SOAP, JAX-WS, Apache CXF, XML, REST, Hibernate, Http, JBOSS.

**Sr. Java/J2EE Developer**

**DHRUVA SOFT SERVICES PVT LTD - Hyderabad, India. July 2013 to Dec2015**

**Responsibilities**

* Developed the application as per the functional requirements from the analysts.
* Developed the client-side validation using **JavaScript.**
* Developed web screens in **Html** and **JSP.**
* Design and Development of User Interface using **Struts tag libraries**.
* Responsible for client-side validations and server-side validations in **JSP.**
* Design and Development of server-side modules using **J2EE,** spring, Struts, EJB and Utility classes.
* Used Web Services to extract and communicate the records using **XML** and **REST**.
* Installed and configured **WebLogic** in Development and Testing environment.
* Developed the transaction-oriented logic in the Data Access Layer.
* Designed, developed, debugged and tested the web based **J2EE** application.
* Used Log4J utility to log error, info and debug messages.
* Configured and deployed the **J2EE** application **on WebLogic Application Server.**
* Used the Transaction to persist the data in the **Oracle.**
* Used apache struts to develop the web-based components.
* Front end validations are written using **JavaScript.**
* Performed Unit Testing using **JUnit.**
* Provided a User Manual and User Training on the new system to ease them into the new system.

Environment: Java 1.5, J2EE, JSP, Servlets, Hibernate, Spring, Struts, PL/SQL, WebLogic Application Server, REST and SOAP Web services, UML, SVN, Log4J, Oracle, Unix.

**EDUCATION:**Bachelor’s in Computer science ,2010-2013

Acharya Nagarjuna University(ANU), Guntur,A.P