**Yakub Reddy**

**Email:** [**yakubvemula46@gmail.com**](mailto:yakubvemula46@gmail.com) **Phone: +1 913-361-8592**

**LinkedIn: https://**[**www.linkedin.com/in/yakubv7848/**](http://www.linkedin.com/in/yakubv7848/)

# | Java Full Stack Developer |

**9+** years of experience in creating dynamic web projects, including back-end and full-stack programming. Well- versed in employing numerous programming languages and creating API’S and backend services to enhance the user experience and a great passion for all Java related topics or projects along with simple and elegant solutions. Proficient in TypeScript, I bring strong front-end expertise, building robust and scalable applications with Angular and React, making me a versatile and valuable asset to any project. Proven track record of generating ideas to improve system design and data flow, as well as redesigning of interfaces for better user experience.

# Professional Summary

* 9 years of experience in dynamic and goal-oriented **Java/J2EE** Developer, experienced in requirement gathering, estimation, analysis, design, development & testing of web-based applications using Java/J2EE(**such as multi- threading, collections, core JAVA, Spring, Struts, AWS, JDBC, Servlets, JSP, XML, Hibernate**)
* Expertise in implementing **Java 8** features like Lambda expressions, Functional interfaces, StreamAPI and Time API for Bulk data operations on Collections, concurrency and I/O which would increase the performance of the Application.
* Good with fundamentals and OOPS concepts like inheritance, polymorphism, abstraction, Multi-Threading, and collections to develop stand-alone applications.
* Expert knowledge over J2EE Design Patterns like **MVC Architecture, Singleton, Factory Pattern, Front Controller, Session Facade, and Business Delegate**.
* Experience in developing client-side, server-side/middle-tier components applying Java/J2EE design patterns and using frameworks: **Spring Boot, Micro Services, AOP, Webservices, Hibernate, JDBC, JPA, JSP, POJO’s, JSON, Multithreading, Junit**.
* Good experience in developing and updating a web page using **HTML5, CSS3, AngularJS, React.js, Java Script, backbone.js, and JQuery** across various browsers and thereby achieving cross browser compatibility.
* Good Working experience with **Angular 9** directives to create reusable elements and attributes, along with easy to test and maintain client-side interactivity in web applications.
* Wrote code for complex UI routing, route guards, asynchronous data using rxjs observables, subject, http calls and also experienced in writing custom **Angular** library.
* Experience in creating Typescript reusable components and services to consume **REST API's** using component-based architecture provided by Angular 6 and optimized the performance using **Lazy Loading** and ahead of time compilation. Expertise in DOM manipulation using JavaScript and Angular JS.
* Extensively utilized **TypeScript ES6** features, creating Single Page Applications (SPAs) with JavaScript MVC frameworks like **AngularJS and Angular 7.0.**
* Have strong exposure and work experience on core java concepts collection **API, Stream API, Parallel Streams, exception handling, Multithreading, Hash Map, concurrency, JDBC, modularity, executor service, fork and join frameworks.**
* Worked on multiple components of spring framework like **Spring Boot, Spring Data, Spring Cloud and Hibernate** frameworks.
* Produced and consumed a different types of web services **including SOAP & RESTful** using SOAP UI, and along with Spring Boot framework and Micro services using Eureka Server .
* Experience in building robust and scalable **Android applications using Kotlin**.
* Good knowledge of the Software Development Life Cycle (SDLC) and experience utilizing agile methodologies like **Waterfall, Agile (TDD, ATDD, SCRUM).**
* Experience with **React JS** components, forms, events, routers, and Redux asynchronous functions, implementing the React-Flux pattern.
* Designed, and developed a custom, single-page (SPA), responsive web application using **React JS**.
* Experience with deploying web applications on **Heroku** using popular frameworks like Ruby on Rails, Node.js, Django, and Flask. Also expert in **UML**, design methodologies and design patterns.
* Hands-on experience using the version control tools like SVN, CVS, Rational Clear Case and **GIT**

and project management tools like **JIRA, QC.**

* Expertise in developing web applications using **JSP and Custom Tag Library** components.
* Experience on database client tools including TOAD for Oracle, SQL Developer, MySQL Workbench.
* Working knowledge of **GUI/IDE tools like Eclipse, NetBeans, IntelliJ**.
* Experience in using various **AWS components** like **EC2** for **virtual servers, S3** and **Glacier** for **storing objects, EBS, Cloud Front, Elastic cache, IAM, Cloud Watch, Cloud Formation and DynamoDB.**
* Excellent experience with major relational databases –**DB2, My SQL, No SQL ( IBM Cloudant**), including

**MongoDB**.

* Hands on experience in **Azure** Development, worked on **Azure web application**, **App services**, **Azure storage**, **Azure SQL Database**, **Virtual machines**, **Fabric controller**, **Azure AD**, Azure search, and notification hub.
* Experience with container-based deployments using **Docker,** working with **Docker images, DockerHub, Docker- registries** and **Kubernetes.**
* Worked on messaging service (**JMS) MQ's such as Apache Kafka**.
* Experience in Unit testing, Integration Testing with the need of Selenium and generation of testcases for web applications using **JUnit, Log4J, TestNG**, **Jasmine, Karma and Cactus**.
* Experience using open-source big data components such as **Hadoop, Hive, Presto, ConfluentKafka** and **Data streaming** experience.
* Experience in using the CI/CD tools such as **Jenkins**.
* Experience in software configuration management using **SVN, Bitbucket, GitHub and GitLab**.
* Experience in configuring and deploying the applications on **Tomcat**, **WebSphere**.
* Expertise in Software Build tools like **Maven,ANT,Gradel.**

# Technical Skills:

|  |  |
| --- | --- |
| **Category** | **Technologies/Tools** |
| **Programming Languages** | Java, C, C++, PL/SQL |
| **JavaScript Frameworks** | Angular JS, Angular, JQuery, Node.js, Backbone.js, React.js, Express.js, Ember.js,  Handlebars.JS |
| **Java/J2EE Technologies** | Servlets, Spring, EJB, JPA, JTA, JDBC, JSP, JSTL |
| **Frameworks** | Struts 2.0/1.0, Hibernate 4.x/3.x, Spring 3.0, Spring Batch, Spring Security, Spring  AOP, Spring Core, JSF, IBatis, Spring IOC, Spring Cloud |
| **Web Technologies** | HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, Grunt, Gulp, JSON |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, GraphQL, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kama |
| **Web Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x |
| **Application Servers** | Apache Tomcat, Weblogic, IBM WebSphere, JBoss |
| **Methodologies** | Agile, Waterfall, TTD, SCRUM |
| **Cloud Technologies & DevOps Tools** | AWS, Microsoft Azure EC2, EBS, S3, Docker, ECS, EBS, EKS, SQS, RDS, S3, Glacier,  Lambda, Kubernetes, Docker, Jenkins |
| **Project Management Tools** | JIRA, Rally, Microsoft Project |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium |
| **Version Control** | SVN, CVS, GIT, Bitbucket |
| **Build Tools** | Maven, Gradle, ANT |
| **IDEs** | Eclipse, Visual Studio, Intellij, Spring Tool Suite, WinSCP |
| **Operating Systems** | Windows, Linux, and UNIX |

**Professional Experience :**

**Client: Energy Transfer, Dallas, TX Nov 2022 - Present Role: Senior Full Stack Java Developer**

**Responsibilities:**

* Involved in analysis, specification, design, implementation, and testing phases of Software Development Life Cycle (SDLC) for developing application.
* Developed/Implemented code on new requirements as a developer using Spring MVC and Hibernate by using Safe Agile Methodology where there is a daily SCRUM meeting to understand the status and resolve any issues.
* Expertise in spring framework extensively used Spring 5.0, Spring Batch, Spring AOP, Spring JDBC templates, multi-threading and in working with SOAP &REST Web Services.
* Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying cloud. Used Swagger to interact with API end points of the Microservices.
* Developed the GUI Web Interface using Angular 8, Typescript, RXJs, Node, Bootstrap 4, jQuery, and HTML 5.
* Developed reusable components, pipes, services, and different feature modules, routes using Angular 8.
* Developed Use Case Diagrams, Object Mapping Diagrams & Class Diagrams in UML.
* Transforming complex business requirements from the customer into development plan by using objects like Stored Procedures, Functions and triggers to support Agile development.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate/JDBC template, using Spring IOC (Dependency Injection).
* Used Java-J2EE patterns like Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects, factory patterns.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch, Spring Boot and handled the security using Spring Security.
* Used MapStruct for java object mappings between JPA Entities and DTO for the Spring REST API.
* Integrated Swagger UI and wrote integration test along with REST document.
* Used Rest API client POSTMAN for testing web services request and response.
* Consumed the developed Web services in Angular application.
* Used Maven as a building tool, and Splunk for centralized logging. Used Jenkins for Microservices deployment.
* Implemented CI/CD pipeline as code using Jenkins 2.60.3 and Developed build and deployment scripts using MAVEN as build tool, and integrated selenium in Jenkins 2.60.3 to perform the automated integration test.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups and used AWSSDK to connect with Amazon SQS for bulk email processing.
* Used Hibernate as ORM tool in data access layer for updating information in the database and Spring Framework to support the Hibernate tool.
* Strong experience with MongoDB development (reports, schema design, map reduce functions) and migrations from SQL relational databases to NoSQL databases like MongoDB.

**Environment: J2EE, JSP, JavaScript, JDK 1.6, UML, Eclipse, Oracle, AWS Lambda, S3 Bucket, AWS IAM, Angular 8, WebSphere, SOAP, SOA, Spring 3.0, Spring Boot, Spring MVC, Hibernate, RESTful, Postman, XML, CSS, HTML, Junit 4.4, SVN, Log4j, Oracle10g, Jenkins, Maven, Swagger, Splunk,MongoDB.**

**Client: Hitachi Vantara, Herndon, VA Oct 2020 – Nov 2022 Role: Senior Java Full Stack Developer**

**Responsibilities:**

* + Responsible for design, development, application architecture, use cases, flowcharts, application flow, prototypes, proof concept of sample codes.
  + Responsible for writing detailed design specification document and implementing all business rules.
  + Involved in the design and development of presentation and web layers based on MVC Architecture and spring framework and development and deploying the components using J2EE specifications and captured the requirements of the system use cases using Web Sphere 8.5
  + Involved in developing interfaces for the CSM to invoke the various business partners using XML, XSLT, JAXB and DOM Parsers.
  + Used React JS for templating for faster compilation and developing reusable components.
  + Developed the React container and presentational components (as Stateless and Functional components when applicable).
  + Implemented stable React components and stand-alone functions to be added to any future pages.
  + Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords.
  + Used JMS Queues and Topics using IBM MQ, AMQP using Rabbit MQ, and Kafka Broker.
  + Developed API for using AWS Lambda to manage the servers and run the code in the AWS.
  + Wrote and executed various MYSQL database queries using Python-MySQL connector and MySQL dB package.
  + Wrote playbooks for ansible and deploying applications using ansible-vault encryption mechanism.
  + Configured Jenkins Build status and SonarQube statics code analysis Email notification and slack notification using the AWS SNS (Simple notification Services).
  + Developed GET/POST Sling Servlet to provide various services in the AEM 6.4.
  + Developed applications using Spring Framework for Dependency Injection (Inversion of Control) and implemented the business logic using EJB (session and entity beans).
  + Make JavaScript/HTML modifications and add features to Mapping Locators on client's pages as per Client requirement.
  + Used Jenkins as continuous integration tool: creating new jobs, managing required plugins, configuring the jobs selecting required source code management tool, build trigger, build system and post build actions, scheduled automatic builds, notifying the build reports etc.
  + Developed DAO Objects using Value Object EJB Design Pattern for data connection and Database operations.
  + Utilized the various J2EE design patterns like Front View Controller, Business Delegate, Factory and Session Façade, Singleton and DAO to develop the business modules based on the required functionality.
  + Used GitHub for version controlling, creation of new releases, fixing pre-req issues for TEST Builds.

**Environment: Amazon EC2, S3, RDS, SNS, SQS, OpenShift, AWS Lambda, Power Shell, AEM, Chef, NoSQL, JSP, Jdk1.7, WebSphere server 8.5, Spring 4, Spring boot, Restful Web service, Hibernate, JavaScript, Jenkins, React, microservices, Apache Kafka, Ansible, Oracle 11g, SQL/PLSQL, Xml, UML, CSS, RAD, JUnit**

**Client: MIO Partners, New York, NY Jun 2018 – Oct 2020 Role: Sr.Java Developer**

**Responsibilities:**

* + Led major projects on both client side and server side and exchanged knowledge within the team members.
  + Analyzed application requirements and problems on the client side and worked in Angular 8 and Bootstrap using JavaScript, TypeScript, HTML and CSS respectively.
  + Practiced Java-8 features such as Lambda Expressions and Functional Interfaces to make work more efficient and faster.
  + Developed and tested multiple web applications using Rest API and annotations by combining Spring framework, Postman and MySQL database.
  + Performed debugging, worked on multithreading, handled various exceptions and security issues in the process of development and deployment.
  + Worked in tasks related to Object-Oriented Programming and Object-Relational Mapping by implementation of MVC and architecture.
  + Worked for load balancing and parallelism in messaging systems between consumer instances and producers in the Kafka cluster by using Kafka.
  + Committed the source code in GitHub and passed through Jenkins to check validity of code for deployment.
  + Searched errors and bugs in architecture of CI-CD and used Docker commands to develop necessary Docker files.
  + Built Docker images and Docker containers for configuration and verification of applications in accordance with Jenkins Scripts.
  + Carried out testing of codes and applications and understood the path and behavior of components in the system.
  + Managed lifecycle of applications and documented possible problems and solutions for future references.
  + Designed and implemented features of various code within team members for validation of programs using SonarQube.

**Environment**: **HTML, CSS, Bootstrap, JavaScript ES, Typescript 3.0, Angular 7 and 8, Java 8, JPA Hibernate 5, Spring (Data JPA, Boot, Security, AOP, Core), Maven, REST API/Web Services, Micro Services, Messaging Services, Kafka, GitHub, Jenkins, Dockers, Docker Hub, SonarQube, Jira, Eclipse 3.6, IntelliJ.**

**Client: Tata Consultancy Services, Hyderabad,India Jun 2012 – Jun 2016 Role: Java Developer**

**Responsibilities:**

* + Developed the application based on the MVC architecture.
  + Created a web application using JSP, Servlets, and Java beans, following the MVC design pattern.
  + Designed user-friendly GUI interfaces and web pages using HTML, CSS, and JSP.
  + Implemented client-side validation using JavaScript.
  + Utilized Java Swings for crafting user interfaces.
  + Applied Java Fundamentals and Object-Oriented Programming (OOPS) concepts such as inheritance, polymorphism, and abstraction in code development.
  + Implemented core Java concepts like Multithreading, Exception Handling, and Collections as needed.
  + Employed Eclipse as the Integrated Development Environment (IDE) for creating Servlets, JSP, and XML.
  + Wrote SQL queries for JDBC prepared statements to retrieve data from the database.
  + Monitored logs using Log4J and resolved issues.
  + Deployed the application on the Apache Tomcat Server.
  + Participated in the building and deployment of the application using ANT.
  + Utilized Configuration Management Tools for version control, which was based on CVS.
  + Worked on bug fixing and provided production support.

**Environment**: **Java, HTML, CSS, JavaScript, JSP, Servlets, JDBC, MVC Design pattern, SQL, Log4J, Apache Tomcat server, My SQL, Eclipse IDE, CVS, ANT, Log4J.**

**Education: Masters in Computer Science at University of Central Missouri,Missouri,USA**