**Bharath Reddy**

**Sr Java Developer**

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**Professional Summary:**

Having 9+ **years** of Java development experience in all phases of Software Development Life Cycle (SDLC) which includes Analysis, Design, Development, Implementation and Testing of web based, enterprise business applications using the **JAVA/J2EE technologies**.

* Expertise in designing and deploying multi-tier web applications using **J2EE technologies like Java, J2EE**, **Spring 3.x, Struts 1.x and 2.x, JDBC, EJB, SOAP** and **Rest Web services, XML** and front end like **AngularJS, Ajax, Node JS, JavaScript, bootstrap, HTML** when working as a **Full stack developer**.
* Experience in usage of methodologies (e.g., **Waterfall** and **Agile**) of the software development lifecycle (SDLC) process like analysis, design, development, integration, debugging, implementation, testing, production, maintenance.
* Well understanding in implementing the features of **ES6** like arrows, modules, block scoping, promises and enhanced object literals.
* Good knowledge of client-side **JavaScript framework Angular 2.x/6.X with NGRX** to achieve **MVVM** design flow.
* Worked on **UI testing** with **Karma, Jasmine**, and **Protractor** for **Angular JS.**
* Experience managing/scale/deploying applications to **Pivotal cloud foundry**.
* Experience in **Microservices-Spring Boot**, **Pivotal Cloud Foundry (PCF)** and Engagement using **Spring Boot**.
* Knowledge in Unified Modeling Language (**UML**), Flow Chart, Class Diagrams, User Diagram, Activity and Sequence Diagrams.
* Experience of working and resolving issues while doing production support.
* Extensive work experience in designing and developing Enterprise Applications in **J2EE** using **Core Java1.8**and **J2EE framework**.
* Experience in using **Java Script** build tools and task runners like Webpack for **Angular 2.0/4.0**, **Grunt, Gulp** for **AngularJS, Vue Js.**
* Worked extensively with **JAVA 8** features like Stream API, Functional Interfaces **Multithreading**, Transaction Management, Exception Handling, and Collection API.
* Expertise in Using **Angular JS, Node.js, HTML5, Ajax, CSS3, Bootstrap, JSON, and JavaScript**designed and programmed Portfolio management.
* Worked with various frameworks in **Spring** such as **Spring IOC**, **AOP**, **Spring transaction Management, Spring Data, Spring JDBC, Spring Batch, Spring IO, and Spring Security (Spring security, Site Minder).**
* Developed self-contained, black box projects using **Service Oriented Architecture (SOA).**
* Worked on implementation of modular backend using **AWS'**s Elastic Beanstalk by interfacing with the database on **AWS's RDS**, allows giving scalability.
* Have good knowledge on **XML** language like **XSD, DOM, XPath, DTD, JAXB, JAXP**.
* Worked on implementing service-oriented architecture with XML based web services (**SOAP, UDDI AND WSDL**).
* Implemented different object-oriented design patterns such as Singleton, Prototype, Composite Entity, Front Controller, Business Delegate, Session Façade, and Data Access Object.
* Developed projects with **RESTful services (JAX-RS, Spring Boot), SOAP (JAX-WS, WSDL)** and automated the documentation using Swagger and WADL.
* Developed self-contained, black box projects using Service Oriented Architecture (SOA).
* Good knowledge of providing authentication and authorization for web services using OIDC (Open ID Connect) on top of OAuth 2.0.
* Expertise in **Object-Oriented design** and coding and good knowledge of various Design Patterns and **UML**
* Complete knowledge on Agile and SCRUM structure of software development by conducting meetings and coordinating with the ream members to meet the deliverables and production support.
* Worked in delivering builds and deploying code into various environments like DEV/QA/UAT/Prod.
* Better understanding of microservices deployment and auto configurations with Eureka service registry and log management with ELK.
* Implemented Docker container service, build pipeline Jenkinsfor Continuous Integration and Continuous Deployment that can run on the cloud or on-premises.

## **Technical skills:**

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| --- | --- |
| **Programming Languages** | Core Java, J2EE, SQL, PL/SQL. |
| **Web Technologies** | JSON, JSP, Java 8, Servlets, GWT, JDBC, Hibernate, JMS, EJB, AWS, SOAP, REST, Jenkins, HTML, HTML 5, CSS, CSS 3, PHP, Java Beans, JavaScript, Dojo, Angular JS, Splunk, JUnit, DevOps, Micro services, Angular 4/5, Bootstrap, HTML5 AJAX, jQuery, JSON, JSP, NODEJS. |
| **Tools** | SSIS, SSRS, Ant, Maven, Jenkins, Junit, Drools, Jira, Chef, Puppet. |
| **Operating systems** | Windows, Mac, UNIX, Linux. |
| **Databases** | Oracle 11g/12c, My SQL, MS SQL Server, NoSQL, DB2, MongoDB. |
| **Version Control systems** | SVN, CVS, Git, VSS, Bitbucket. |

## **Professional Experience:**

**Client: Cigna Health, New York, NY. March 2023- Till Now   
Role: Sr Java Back End developer**

**Responsibilities**:

* Followed **Agile** (Scrum) development methodology and participated in daily Stand-up meetings to update the task status on the assigned tasks such as technical documentation, development of different modules.
* Work closely with business users to understand business requirements to design technical solutions that align with business and comply with Organization’s architectural standards.
* Involved in design and implementation of **Microservices** using **Spring Boot** and **CI/CD** tools on Kubernetes.
* Developed and maintained troubleshooting flows on top of microservices using **BPMN** tools such as Bonita and **Red Hat PAM**.
* Worked Extensively on **Spring Boot** to build several services as external microservices and configure them to communicate with each other or with another part of the system.
* Developed and maintained **RESTful web services** using **JAX-RS** and used **Swagger** for **REST API** documentation.
* Involved in migration of digital process automation of troubleshooting flows from Bonita to **RedHat PAM**.
* Used **Amazon Cloud Watch** to monitor **AWS** services and **Amazon Cloud Watch** logs to monitor application.
* Build and maintain code repositories and code migrations using **CI/CD** strategies (**GIT, SVN, CSV**, **Jenkins**).
* Responsible for creating and maintaining architecture for **Restful API** using **Spring Boot**.
* Worked with processing **XML** and **JSON** request and responses.
* Used Hibernate framework for object relational mapping and persistence.
* Involved in writing **SQL queries, stored procedures** and **triggers** in databases via **Oracle** and **DB2**.
* Used Swagger and Postman tools for **API** testing.
* Worked on **Lambda Expressions**, **Functional interface Stream API's**, **Time API**, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8**
* Involved in developing and modifying UNIX shell scripts for batch jobs.
* Used **Micro service architecture** with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers and worked with **Kafka Cluster** using **Zookeeper.**
* Implemented user-friendly web-based applications using **AngularJS, HTML5, CSS3, Bootstrap**, **Spring** and **MongoDB**.
* Use of **data structures** and **algorithms** for time and memory complexity reduction
* Implemented JWT mechanism for authentication, authorization, and data exchange.
* Used **Spring Core** for **IOC** implemented using DI and developing **Restful web services**.
* Integration of Amazon Web Services (**AWS**) with other applications infrastructure.
* Extensively worked with **CI/CD** tools like Jenkins for deploying Microservices on Kubernetes cluster and used Rancher for Kubernetes to monitor the deployed applications.
* Implemented **Microservices** using **Spring Core, Spring Boot, Spring Data**, **Spring Rest** and **Spring Cloud** (**PCF**).
* Used **JPA** to implement Service and Repository layers.
* Used **IntelliJ** as development tool, Tomcat as application server, **Git** and **SVN** were used for version controlling.
* Worked on developing applications, automated scripts leveraging **MongoDB**.
* **Apache Maven** is used as Build tool to automate the build process for the entire application.
* Used **Streams** and **Lambda** expressions available as part of **Java 8**to store and process the data.
* Selecting the appropriate **AWS** service based on computer, data, or security requirements.
* Worked with Behavior Driven Development process and Test-Driven Development (**TDD**).
* Used **GIT** as a version control system and Bit Bucket as the source code repository.
* Involved in setting up the application with **Jenkins** in builds and deployments to **Tomcat server**.
* Involved in code reviews, test case reviews and bug fixing using **JIRA** bug tracking system.

**Environment**: Java 8, Design Patterns, Microservices, Bonita, RedHat PAM, Spring Boot, Spring JDBC, Hibernates, REST, XML, Eclipse, JBoss, Kafka, UNIX, LINUX, Spring Core, Oracle, SQL, Putty, SQL Server, Swagger, Postman, GIT, CI/CD, AWS, Jenkins, Kubernetes, Junit, Mockito, TDD, Agile, JIRA, Tomcat.

**Client: Get insured, Remote (July 2022- March 2023)**

**Role: Backend Developer**

**Responsibilities**:

* Designed the user interface screen and its functionality as per user requirements and developed **RESTful** Web services based on **Service Oriented Architecture (SOA).**
* Developed dynamic web pages using **HTML5, CSS3, Bootstrap** and **AJAX**.
* Used **Angular** to create views to hook up models to the **DOM** and synchronize data with server as a Single Page Applications.
* Worked on programming, including object-oriented principles, data **structures**, and **algorithms**.
* Worked on using Grunt used for concatenation, minification and running of unit test cases.
* Hibernate **ORM framework** is used to interact with databases through **Hibernate query language (HQL)**.
* Have experience understanding of Java Collections framework and its various implementations for efficient data handling.
* Hands-on experience with popular Java frameworks like Spring and Hibernate for building robust and scalable applications.
* **DB2** database is used to load the application data and written **PL/SQL** procedures, complex queries to perform various data operations.
* Message broker services are achieved in the application using **Active MQ** with **JMS** framework.
* Configured Jenkins to handle application deployment in Pivotal Cloud Foundry (**PCF**) server and to integrate with Git Hub version control.
* Developed environment support (mostly automation using Jenkins).
* Implemented Drools Business Logic Integration Platform which provides a unified and integrated platform for Rules, Workflow and Event Processing.
* Developed User inter phase screen using angular framework.

**Environment**: Java 1.8, HTML, JBoss 6.1, XML, IntelliJ, JavaScript, Apache tomcat, Maven3, Java 8, Spring Boot, Micro-services, Spring MVC, Spring Data, REST web service, Oracle, HTML5, JavaScript, CSS, Tomcat 9, GIT-Bit bucket, Eclipse.

**Client: Wells Fargo, Charlotte, NC. (Jan 2022- July 2022)**

**Role: Java Backend Developer**

**Responsibilities**:

* Engaged with the total SDLC including plan of System Architecture, advancement of System Use Cases dependent on the useful prerequisites.
* Expertise in Tools: Eclipse, Rational Application Developer RAD
* Expertise in programming: Web circle, Tomcat 9, Apache.
* Experienced with J2EE standard viable Application Servers including WebLogic, IBM Web circle, Apache Tomcat Deployment interaction and Integration.
* Deploying, Scaling, Configuring, and writing manifest file for various Micro services in PCF.
* Used **Executor Service**, **Thread Pool Executor** from thread pool APIs from **multithreaded** environment.
* Implemented Collection Framework and used the Thread, I/O functionalities for meeting access, used Java Lambda Expressions, Stream API, and Functional Interfaces in business logic.
* Experience in executing Agile procedures.
* Excellent in project documentation, legitimate and scientific capacities.
* Possess great relational abilities and self-acquiring mentality.

**Environment**: Java 1.8, HTML, JBoss 6.1, XML, JavaScript, Oracle 11g, Apache tomcat, Maven3.0. Java 8, Spring Boot, Micro-services, Spring MVC, Spring Data, Spring AOP, REST web service, Oracle, HTML5, JavaScript, CSS, Tomcat 9, GIT-Bit bucket, Eclipse, IntelliJ, Junit, Maven, Log4j, Windows.

**Client: PNC Bank, Pittsburgh, PA (April 2021– Jan 2022)  
Role: Full stack Java Developer**

**Responsibilities**:

* Implemented Routing and **HTTP** modules for navigation between the components and invoking the Rest Services using **GET, POST, PUT**, and **DELETE** methods.
* Analysis, design, and development of Application based on **J2EE** using **Spring** and **Hibernate**.
* Developed multiple **Angular 8.0**components which are compatible with latest versions of **typescript, angular CLI**.
* Designed User Interface by coding in **Angular 8, AJAX, HTML5, CSS, bootstrap, Node JS** and **Vue Js** to build Single Page Application.
* Developed angular views to hook up models to the **DOM** and synchronize data with server as a SPA.
* Converted a monolithic app to micro services architecture using **Spring Boot** using 12 factor app methodologies. Deployed, Scaled, Configured, wrote manifest file for various **Microservices** in **PCF**.
* Designed and developed the **REST based Microservices** using the Spring Boot, Spring Data with JPA and used Swagger to interact with API end points of the **Microservices**.
* Created and injected **spring services**, **spring controllers** and DAOs to achieve dependency injection and to wire objects of business classes.
* Created Annotated JPA, Entity, **POJO** classes which are accessed in data access layer.
* Involved in developing DAOs using **Hibernate** and JPA API.
* Extensively implemented **spring 3.x** framework for IOC, Security, and dependency injection.
* Created Restful APIs for some of the core functionalities which consume and produce data in **JSON** format using JAX-RS framework.
* Used **Cassandra** for Replication across multiple data centers.
* Failed nodes can be replaced using **Cassandra.**
* Used **Cassandra** for automatic Data replication to multiple nodes for fault-tolerance.
* Created HQL queries to display views. This was done within entities, which are created from the DB tables.
* Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups**, Optimized volumes and **EC2** instances and created monitors, alarms, and notifications for EC2 hosts using Cloud Watch.
* Experience in Test Automation frameworks like **TestNG, JUnit and Cucumber**
* Involved in the creation of database objects like Tables, Views, and Indexes using oracle tools like **PL/SQL** Developer.
* Deploying, Scaling, Configuring, and writing manifest file for various Micro services in PCF.
* Used **Executor Service**, **Thread Pool Executor** from thread pool APIs from **multithreaded** environment.
* Implemented Collection Framework and used the Thread, I/O functionalities for meeting access, used Java Lambda Expressions, Stream API, and Functional Interfaces in business logic.
* Experience with props and states in react to manage data and used **Rally** for task tracking and to build user stories.
* Used REST client / POSTMAN to check the response of various API's, Swagger UI as a visual documentation for back-end implementation and client-side consumption. Handled various exceptions based on the response.
* Used runner classes in **cucumber** to generate step definition and used tags to run different kinds of test suites like smoke, health check and regression.
* Involved in the usage of BDD framework to Develop **Cucumber** Step Definitions, Scenarios and Features using acceptance criteria.

**Environment**: Java 1.8, Node JS, AWS, micro services, Angular 8, JSP, HTML, JBoss 6.1, Hibernate, Rest Web services, UML, SVN, CSS, spring, XML, JavaScript, Struts, Oracle 11g, Log4j, Apache tomcat, Mocha, Chai, Mockito, Maven3.0.

**Client: Master Card, O’Fallon, MO (Aug 2020-April 2021)  
Role: Full stack Java Developer  
Responsibilities:**

* Developed Use Cases, Class Models and Object-Oriented Specification using **Rational Rose UML**
* Experiencing converting a monolithic application to **Micro services** architecture using **Spring Boot** using 12 factor app methodologies.
* Involved in various phases of Software Development Life Cycle (SDLC), which includes modeling, analysis, architecture design, developing and testing.
* Created several transfer objects TO, POJO which contain all the logic, Bean and DAO, Interfaces using JAVA, EJB3.0 and spring framework.
* Involved in designing and developing web pages using **HTML 5, JavaScript, SASS, Redux, Flux, Vuejs** and **NodeJS**.
* Hands on experience designing and deploying **AWS services: VPCs, EC2s, S3**.
* Implemented Store-**Redux** for holding the whole state tree of application and Reducer-**Redux** for describing actions.
* Going through Gitlab to check and understand the code of monolithic application.
* Building REST Web services using **Spring Boot** to expose and **REST** Clients to consume data.
* Implemented Spring Batch for processing large volumes of records, including logging/tracing, transaction management, job processing statistics, job restart, skip, and resource management in the application using Quartz scheduler.
* Developed **UML** Use case diagrams, Class diagrams, and Sequence diagrams using Rational Rose.
* MySQL database is used to load the application data and written PL/SQL procedures, complex queries to perform various data operations.
* Implemented Splunk in the application for log errors, exceptions, and business logic and log analytics.
* Deployed the dockized **Spring Boot** application that is intended to be run on dev local machine using **PCF** (**Pivotal Cloud Foundry**).
* Implemented POM (Page Object Model) automation framework using **JAVA, Selenium Web Driver, and Cucumber**
* Focusing on sonar cube analysis to make sure for excellent good coverage for each application.

**Environment**: JavaScript, HTML5, CSS3-LESS, AJAX, UML Modeling, Bootstrap, jQuery, Spring Security, Rabbit MQ, Spring Data, Spring Batch, Hibernate, Spring Boot, Micro services, Restful services, MongoDB, Eclipse Java EE IDE, Jenkins, Splunk, MySQL, Docker, Apache tomcat, Jenkins, JBoss, JIRA, Web pack.

**Client: Liberty Mutual, Boston, MA. (Oct 2019 – July 2020)**

**Role: Java Developer**

**Responsibilities:**

* Worked on **spring framework** for developing dependency injection, cross cutting logics, persistent layer.
* Used **Hibernate** framework for backend development and **Spring** dependency injection for middle layer development.
* Created connections to database using **Hibernate session Factory**, using **Hibernate API** to retrieve and store data to the database with Hibernate transaction control.
* Used **Spring Batch** for processing large amounts of data like transaction management, job processing, resource management and logging.
* Used **Java 8 streams** and lambda expressions to increase performance.
* Developed **Java API** to interact with the **Amazon SQS** used in sending bulk emails.
* Utilized **AWS** Cloud platform and its features which include EC2, SNS, RDS, Lambda, and S3.
* Worked with NoSQL using **AWS** DynamoDB to ensure data storage is designed for security,  
  reliability, availability, maintainability, and performance.
* Worked with AWS **API Gateway** for implementing the Micro service architecture and utilized **ECS to deploy** the Docker containers onto the servers.
* Implemented the **authentication** and **authorization** of the application using **Spring Security** and **OAuth.**
* Functionality is implemented by developing **RESTful** web services using spring boot, JPA, Cloud foundry and Oracle Responsibilities.
* Developed Micro Services to provide **RESTful** **API’s** utilizing **Spring Boot** framework.
* Designed User Interfaces or front-end pages using **JSP2.0, Servlets2.3, CSS, XML and HTML.**
* Utilized external libraries in Angular applications such as **Prime Ng, Ngx** to manipulate and display the data from the API.
* Worked on the Handling Forms of **AngularJS** to validate the input at UI level rather than validating the data at backend which is easy and saves time.
* Developed RMS system user interface using **AngularJS**, Bootstrap.
* Implemented centralized **exception handling** to trace the errors across all the Microservices.
* Developed the **XML Gateway** to help the ordering process system communicate with the Order Execution Tool and different online tools such as Line Qualification, Billing Information and Credit Card Validation Systems.
* Installed and Configured DataStax OpsCenter for Cassandra Cluster maintenance and alerts.

**Environment:** Java/J2EE, Spring, Hibernate, JSP, AJAX, UML Modeling, XML, Web services, SOAP, Eclipse, HTML5, jQuery, Ext-JS, Log4j, Rational Rose, Junit, Angular SQL.

**Client: Qualcomm India Pvt. Ltd, INDIA (Jan 2017– July2018)   
Role: Software Developer   
Responsibilities:**

* While working as a **Java Developer**, analyzed **MVC** architecture by using web **MVC** and AOP components of the Spring Framework.
* Expertise in implementing **Restful web services** to integrate with various other modules of the application to provide the business service using **JAX-RS** framework.
* Effectively used **Angular Directives**, filters, declarative templates, service providers and context aware communication.
* Performed **Angular JS** end to end testing using **Protractor framework**.
* Used **Hibernate 3.x** framework for interacting with the Database for application backend implementation.
* Worked on creating, customizing, and updating **Oracle** database.
* Designed and developed **Spring Batch** Applications to read data from flat files and databases.
* Designed and deployed **AWS** powered architecture to integrate with the backend functionality compatible with the database.
* Implementing jobs using **Groovy Script** for batch processing
* Implemented **JWT (JSON Web Tokens)** for creating tokens to assert claims in the application and thus providing authentication of **RESTful** services.
* Respond to QA / production defect fix and release patch for update Quality Center.
* Worked on **Spring MVC** for implementing Client application services with **RESTful** Web services.
* Worked in implementing a custom module at backend to leverage the client application functionality and built next generation web applications with **AngularJS** and **REST** web services.
* Used spring's test framework to create integration tests for various spring boot and spring batch applications.
* Worked onLog4j implementation to track errors and debug the modular functionalities.
* Knowledge of **XSD** and **DTD** to validate XML schema for the system.

**Environment**: Java 1.8, Node JS, AWS, Angular JS, JSP, HTML, JBoss 6.1, Hibernate, Rest Web services, SVN, CSS, spring boot, spring MVC, XML, JavaScript, Struts, Oracle 11g, Log4j,

**Client: HSBC, Hyderabad, India (Aug 2013–Dec 2016)   
Role: Jr Java developer**

**Responsibilities**:

* Designed the user interface screen and its functionality as per user requirements and developed **RESTful** Web services based on **Service Oriented Architecture (SOA).**
* Developed dynamic web pages using **HTML5, CSS3, Bootstrap** and **AJAX**.
* Used **Angular JS** to create views to hook up models to the **DOM** and synchronize data with server as a Single Page Applications.
* Performed **Angular JS** end to end testing using **Protractor framework**.
* Worked on using Grunt used for concatenation, minification and running of unit test cases.
* Legacy Web Services Systems using **SOAP (AXIS-2)** are migrated and implemented using **REST** (Jersey extending the **JAX-RS**) with data representation in different formats such as **XML** and **JSON**.
* Implemented WADL configuration and API documentation for the understanding of Rest based **Web services**.
* Hibernate **ORM framework** is used to interact with databases through **Hibernate query language (HQL)**.
* **DB2** database is used to load the application data and written **PL/SQL** procedures, complex queries to perform various data operations.
* Message broker services are achieved in the application using **Active MQ** with **JMS** framework.
* Configured Jenkins to handle application deployment in Pivotal Cloud Foundry (**PCF**) server and to integrate with Git Hub version control.
* Developed environment support (mostly automation using Jenkins **CI, Bash, Groovy**).
* Implemented Drools Business Logic Integration Platform which provides a unified and integrated platform for Rules, Workflow and Event Processing.

**Environment**: Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Jenkins, Git, Log4j, DB2, Grunt, Jasmine, JBoss, Jenkins, Open Shift, Drools, Maven, Protractor, Grunt, Selenium, Cucumber, WADL.

Educational details:  
  
Vel Tech Rangarajan Dr. Sagun Thala R&D Institute of Science and Technology- ECE- 2013   
master’s in information technology from New England college2019.