

**Babitha Reddy**  
**Sr. Java Full Stack Developer**  
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**Professional Summary:**

- 9+ years of Experience on requirement analysis, design, development, testing, implementation, and support using Object Oriented Methodologies and **Java/J2EE** technologies.
- Well versed in all stages of **Software Development Life Cycle** including requirement analysis, design, development with various methodologies such as Waterfall, Incremental, Iterative and **Agile** models.
- Experience in Developing User Interface (**UI**) Rich Web Applications, and Web Service Applications using Front End/User Interface (**UI**) Technologies like Object Oriented **JavaScript, Type Script, Angular 2.0, Angular 4, Angular, Node JS, Bootstrap, Media Queries, CSS Frameworks, Java.**
- Expertise in Core Java Concepts like OOPs, Garbage Collector, Collections, Multithreading, Exception Handling, Generics, Synchronization, Serialization and De-serialization.
- Intermediate experience with Advanced JavaScript including prototype-based inheritance, **AJAX, JSON** and familiar with JavaScript frameworks such as **JQuery** and **JQuery-UI**
- Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux**, and Flux concept.
- Familiar with creating Custom Reusable **React JS Components Library.**
- Experience in writing and debugging shell scripts. Worked with scripting languages like JavaScript.
- Deployed and monitored scalable infrastructure on **AWS** and configuration management using Chef.
- Hands-on experience in creating **Angular modules, controllers, directives** to deploy the business logic.
- Strong experience in developing Dynamic Single Page Application (SPA) using MEAN (**Mongo, Express Angular and Node JS**) full stack development tool kit.
- Experience in developing applications as **Microservices** using **Spring Boot** based on **Service Oriented Architecture (SOA)** with **ESB (Enterprise Service Bus).**
- Well versed in querying **MySQL, PostgreSQL, Oracle 11g R2** DB - Optimizing **SQL queries, indexing, PL/SQL** procedures and exception handling.
- Experience in implementing OOPS concepts using **Java/J2EE** technologies such as **JDBC, JSP, JSF, EJB, Hibernate, Spring, XML, XSD, XSL, JNDI, Web services, Struts, Hibernate, JMS, AJAX.**
- Exposure in Microsoft Azure Cloud Technologies - Azure Data Factories, Azure Dev Ops, Azure Data Lake Storage Gen2, Azure Databricks, Azure SQL Data Warehouse, Azure SQL Database, Azure Data Architecture and AWS - AWS Cloud Formation, Compute (EC2), Storage (S3), and Database - RDS, and Apache Spark, and PySpark.
- Strong knowledge in web services testing via Tool **SOAP UI/ Restful web services.**
- Promoted web applications running on **NodeJS** using the Express framework, **Vue.js** and **Backbone.js** with **Mustache.js** for front end **MVC.**
- Expertise in Amazon Web Services (**AWS**) such as **EC2, AWS RDS, Dynamo DB, S3, ElasticBeanstalk, VPC and Security groups, Simple Email Services, Simple Notification Services.**
- Utilized Python libraries such as **pandas, NumPy, and Matplotlib** to analyze and visualize data, uncovering valuable insights and trends.
- Created functions and assigned roles in AWS Lambda to run **python scripts** and AWS lambda using Java to perform **Event driven processing.**
- Extensive involvement in Designing **Azure Resource Manager** Template and in designing custom build steps using **PowerShell.**
- Hands on experience in **Azure** Development, worked on **Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Azure AD, Azure search, and notification hub.**
- Expertise in **migration and up gradation** of **Weblogic** Server and updating **JDK versions, applying patches** and installing **service packs** for **Weblogic** Server.
- Experience in the Administration, Installing, Configuring Apache, Sun ONE 6.1 Web Server **iPlanet**, Microsoft IIS Server. Strong in Configuring **JBoss** and Apache Tomcat Application Servers.
- Played a key role in the deployment on AWS using **Github, Terraform, Puppet, Chef** and **Jenkins.**
- Have knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
- Worked on MuleSoft Integrations tool to connect variety of data sources and applications.
- Performed **Unit Testing, Integration Testing** and generation of test cases for web applications using **Log4J, Mockito** and used **Jasmine** for front end testing and automation framework like **Selenium**

## Technical Skills:

Languages	Java (J2SE 1.7/1.6/1.5/1.4, J2EE15/1.4), SQL, PL/SQL, UML2.0
J2EE Technologies	JSP, Servlets, JSF, JSTL, EJB transaction implementation (CMP, BMP, Message-Driven Beans), JMS, Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures
Cloud Technologies	AWS Cloud
Frameworks	Spring MVC, Hibernate, Struts, Spring AOP, Spring Cloud, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, Swagger
Web Technologies	HTML/DHTML, XHTML1.1, CSS, Bootstrap, JavaScript1.x, JSON, XML1.0, XSL, XSLT, CSS, ExtJS, DOJO, AngularJS, ReactJS, NodeJS, Backbone.js, D3JS and ExtJS
Web/Application Servers	Tomcat 7.x/6.x/5.x, WebLogic 10.3/9.2/8.1, IBM WebSphere 6.x/5.x/4.x, JBOSS AS 7.x
Design Patterns	MVC, Front Controller, Session Façade, Singleton, Business Delegate and DAO patterns
Development Tools (IDEs)	Eclipse, NetBeans, IntelliJ and Spring Source Tool Suite
Testing Tools	Selenium, Log4j, JUnit, Mockito, Bitbucket, Jira, SoapUI, Postman
Version Control	GIT, CVS, Subversion, GitLab
Build Tools	Ant 1.7, Maven 2. X, Jenkins
Containerization Tools	Docker, Kubernetes
Messaging Queues	Apache Kafka along with Zookeeper, Rabbit MQ, IBM MQ and Active MQ
Databases	Oracle 11g, 12c, SQL Server, MySQL, PL/SQL, DynamoDB and Aurora
Platforms	Windows, UNIX, LINUX, Mac OS
Methodologies	Agile Methodology (SCRUM), Waterfall

## Professional Experience:

Client: America First Credit Union – Salt Lake, UT

May 2022 - Present

Sr. Java Full Stack Developer

Project: Credit Dispute System

### Responsibilities:

- Software Engineer working with credit department to work on building web application within the organization to assist the employees to handle the **credit dispute cases**.
- Actively worked in **Analysis, Design and Development**, followed **Test-Driven-Development**
- Developed the application using agile methodology and demonstrated the functionalities to the business users in every sprint.
- Initiated dynamic responsive Web Application by integrating Angular 8 with Bootstrap.
- Implemented Single page application (SPA) using the latest technologies like **Angular, Typescript, Bootstrap, JavaScript, CSS, HTML**.
- Proficient in **Cypher Query Language**, the specialized query language for graph databases like **Neo4j**.
- Designed and developed complex graph data models using **Cypher**, optimizing data representation for efficient querying and relationship management.
- Developed and optimized complex **SQL queries** in **Impala**, leveraging techniques like query profiling and execution plan analysis to enhance performance.
- Built **Angular 13** components, **UI** services to consume rest services using Component based architecture provided by **Angular 13**.
- Developed the components using **Angular 9** needed for the application from scratch and customized from various Angular related libraries to meet the application's functionality.
- Moved **controllers** and **services** to **Angular 9 components** for more responsive and less dependency.
- Writing the front-end look and appearance for the screens using Bootstrap, JavaScript, AJAX.
- Automated Angular application module using protractor by writing java scripts and Used Jasmine as unit testing framework.
- Familiarity with **Redis** persistence options, including snapshots and append-only files, for ensuring data durability and recovery.
- Experience in setting up and managing **Redis** clusters to achieve high availability and distribute data across multiple nodes.

- **Selenium Web driver** and **Selenium** Grid and used **JMeter** for load and performance testing.
- Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using Selenium.
- Worked closely with QA team and fixed QA bugs and production issues with quick turnaround time.
- Used **Spring Boot** which is radically faster in building cloud **Microservices** and develop spring-based application with very less configuration.
- Implemented the application using **Spring Boot** and handled the authentication, authorization, and access-control features by using **Spring Security**.
- Developed **Micro Service** to provide **Restful API** utilizing Spring Boot with various data persistence frameworks such as **Hibernate**, **Spring Data JPA** and messaging engines.
- Designed and developed **Microservices** using **REST** framework and **Spring Boot** and used **Bootstrap** along with **Angular 8** in creating the Application.
- Implemented Test-Driven-Development using testing frameworks like Junit and Mockito.
- Used IBM DB2 database for application development using Squirrel SQL Client as database tool and used **Liquibase** for creating, inserting and updating the tables in DB2 Database.
- Designed and implemented a **SQL** based database and associated RESTful web service that persists high-volume user profile data.
- Worked on Data Migration from **PL/SQL 11 to Oracle 12C**. Creating and replacing procedures to migrate old data into new systems for database storage.
- Produced client-side validation through **JavaScript**, **JSF** and **Ajax** for asynchronous communication.
- Used **Hibernate**, object/relational mapping (**ORM**) solution, technique of mapping data representation from **MVC model to Oracle Relational data** with SQL-based schema.
- Used **Mocka**, **Karma** for UI testing and used **Junit** and **Mockito** for Back-end code testing.
- Configured & deployed Java8 applications on **Amazon Web Services (AWS)** for a multitude of applications utilizing the AWS stack, cloud formation.
- Implemented a **server less** architecture using **API gateway**, **Lambda**, **DynamoDB** and deployed **AWS Lambda code** from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from S3 bucket.
- Worked on **AWS S3** for storage of data. Used S3 storage for storing of artifact and Images. Created IAM role with S3 access and integrated that role to EC2. Used **Jenkins** for **CI/CD** on EC2 Instance
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information. Used **ActiveMQ** as a messaging server for JMS.

**Environment:** Java 11, ReactJS, Redux, Redis, Amazon Cloud (AWS), JavaScript, Git, Spring Boot, Spring IOC, Spring Dependency Injection, Hibernate, Core Java, JSF, Rest, Web Services, CSS, Eclipse, Docker, Kubernetes, WSDL, JIRA, JMS, PostgreSQL, AWS, Spring Cloud, Spring batch, Apache JMeter, jQuery, JUnit, Docker, Maven, Jenkins

**Client:** Kaleida Health – Sunny Buffalo, NY

**Apr 2020 – May 2022**

**Sr. Java Full Stack Developer**

**Project:** Billing System

**Responsibilities:**

- Followed **Agile methodology** in the **Scrum** Cycle model. Involved in all phases of the Software development life cycle (**SDLC**) using Agile Methodology.
- Implemented and developed **UI** components using **React JS** features like dependency Injection, Models, data binding and controllers.
- Developed Interactive web pages using **ReactJS**, **HTML 5**, **CSS 3** and **JavaScript**.
- Designed & developed using **HTML5**, **CSS3**, **EXT JS**, **JavaScript**, **XML**, **Angular**, **NodeJS**, **JSP**, **JSON**, **Vue.js**, **JSF**, **J2EE** and **Ajax**.
- Developed classes using **Core Java/Executor Service** (multithreading, concurrency, memory management).
- Created **Spring Boot** with **Micro Services** utilizing **RESTful API**.
- Consumed **REST Web Services** for getting the **credit card** information from **third party application**.
- Developed **Restful Web services** for other systems to interact with our system and added **WS-Security** using **XWSS** to secure the Web services.
- Implemented the associated business modules integration using **Spring** and **Hibernate** data mapping.
- Utilized **Spring Core**, **AOP** and **WS-security** to build robust business operations with transactional support.

- Used **Spring Batch** which uses Spring **IOC** dependencies, this is useful for developing batch processing.
- Implemented Hibernate Template to great extent making use of **HQL**, Named Parameters, Named **Queries** and interfaces such as **Expression**, **Query**, and **Criteria**.
- Designed the **Elastic Search** indexes for audit Log Data and developed backend micro services to accept data from multiple systems and store to Elastic Search.
- Configured **Docker** Container Service and build pipeline Jenkins **CI/CD** tool for continuous integrating and deploying application on servers.
- Worked on **Kubernetes** Cluster as a part of deployment activity. Configured **Kubernetes** in the application for automating **deployment**, **scaling**, and management of containerized applications.
- Developed **Session Beans** for Transactions like fetching the data and updating the customer information.
- Developed unit and integration tests for existing microservices using **JUnit** and **Docker** environments.
- Wrote **SQL** queries using **PL/SQL**, stored procedures and enhanced performance by running explain plans.
- Involved in **CI/CD** process using **GIT**, **Jenkins** job creation, **Maven** build create **Docker** image and deployment in **AWS** environment.
- Used **JMeter** to test performance of **SOAP** protocol.
- Worked on **GUI** design and development using Java Swing.

**Environment:** Java, J2EE, AWS Cloud, AWS EC2, AWS Lambda, AWS Security Groups, Elastic Search, Spring Cloud, Spring Boot, Spring Batch, Spring Security, Spring IOC, Spring Core, AOP, Hibernate, HTML 5, CSS 3, Bootstrap, Core Java, Angular 8, Java Swing, SOAP/Rest, Web Services, Eclipse, JIRA 5.x/6.x, Microservices, JMS, SQL, NoSQL (MongoDB), Drools, Git, Apache JMeter, JQuery, JUnit, Docker, Maven, Jenkins, Selenium

**Client:** USPTO – Alexandria, VA

**June 2018 – Feb 2020**

**Java Full Stack Developer**

**Project:** Stars Conversion

**Responsibilities:**

- Implemented **MVC** architecture application using **spring** and created **Lambda** function in **AWS** using **Spring** Framework. Used **Spring IOC** concepts and **Spring MVC** pattern for developing the application.
- Developed **Java** Code using **Eclipse IDE** and used various **Eclipse** Built-in Plugins such as **SVN** version control.
- Worked on **AWS** services to deploy static websites and dynamic Web Apps on **EC2** using **Elastic Beanstalk** and Elastic Container **Service-Docker**.
- Created an instance on **Amazon EC2** (AWS), Pivotal Cloud Foundry and deployed the application on it.
- Designed and developed **Micro Services** business components using **Spring Boot**. Involved in the development of **Micro services** for all the model's using combination of **Spring Boot** and **Spring Security**.
- Worked on deployment and orchestration of the system on **Google Cloud Platform** and **Google Kubernetes Engine**. Designed and implemented **JSON** response parser for consuming **Google Maps API data**.
- Implemented the **MVC** architecture using **Backbone.js**, **Node.js** and **Angular 9**, **React.js**.
- Designed and deployed **AWS** Solutions using **EC2**, **S3**, **EBS**, **Elastic Load balancer** (ELB), auto scaling groups, **Data pipeline**, **Security groups**.
- Implemented responsive design, themes and templates using **Bootstrap4** and developed Web application for backend system using **Angular 6** and **NodeJS** with cutting edge **HTML5** and **CSS3** techniques.
- Extensively used **Java Server Faces** (JSF) Navigation rules and **JSF** tags for enhanced user Interface.
- Established Database Connectivity using **JDBC**, **Hibernate** O/R mapping with **Spring ORM** for **MySQL** Server.
- Used **Apache Tomcat** and **WebLogic** as an application server to deploy various components of application.
- Implemented **Hibernate/JPA** for data persistence.
- Developed **Message Driven Bean** for **asynchronous** sending Messages using **JMS**.
- Consumed Web Services to interact with other external interfaces to exchange the data in the form of **XML** and by using **SOAP**.
- Used **RabbitMQ** for Messages and routed through exchanges before arriving at queues and for typical routing logic.
- Used **Jenkins** for Continuous Integration and **Sonar jobs**.
- Wrote **Maven** build scripts, providing logging facility using **Log4j** and writing **JUnit** test cases.
- Administered and deployed applications into **WebSphere** Application Server.
- Managed Customer Data using **Apache Cassandra Database**.
- Involved in **installing**, **deploying**, **monitoring**, **maintain** and configure **WebLogic** server in local machine.

- Performed end to end (Such as integration, functional, regression, system and UAT) testing and logged the defects in **JIRA** and reported to Project Manager.

**Environment:** Java, J2EE, Hibernate, Spring, AWS, EC2, S3, Lambda, IAM, HTML5, CSS3, JSP, JavaScript, JSF, Angular 6, NodeJS, jQuery, Bootstrap, DOM, DML, DHTML, AJAX, XML, Git, Jenkins, Maven, REST, SOAP, RabbitMQ, Apache Cassandra, Tomcat

**Client:** Paychex – Rochester, NY

**June 2016 - June 2018**

**Java Full Stack Developer**

**Project:** SYNDTRACK

**Responsibilities:**

- Created development environment using **jQuery, spring, JPA, Oracle, Maven, and Tomcat.**
- Developed internal application using **Angular4** and **Node.JS** connecting to Oracle on the backend.
- Used Node.js as a proxy to interact with RESTful services and interacting with PostgreSQL Database.
- Worked with modules like MongoDB and mongoose for database persistence using Node.js to interact with MongoDB.
- Used spring config server for centralized configuration and Splunk for centralized logging.
- Developed server-side application to interact with database using **Spring Boot** and **Hibernate.**
- Used J2EE design patterns like Value Object Pattern, MVC, Session Facade, BusinessDelegate, Service Locator and **DAO.**
- Created unit test cases for all possible areas of code and performed unit testing.
- Developed JSP as the view, **Servlets** as Controller in the Struts Framework.
- Exposed various capabilities such as Web Services using **SOAP** and **WSDL.**
- Implementing and planning the server-side architecture using Spring and Hibernate.
- Worked in Requirements gathering and Designed Application flows and developed **UML** diagrams.
- Wrote Controller classes in Spring MVC framework in the web layer.
- Implemented Unit and Integration test cases with JUNIT Framework based on Functional Flow.
- **OpenShift** virtualized PaaS provider - useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
- Integrating Junit in Maven and configured Jenkins to send the Unit test report to the development team.
- Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc..) introduced by Microsoft Azure and utilized it for existing business applications.
- Implemented solutions using Hadoop, Apache Spark, Spark Streaming, Spark SQL, HBase and Scala.
- Analyzed, Strategized & Implemented Azure migration of Application & Databases to cloud.
- Using **ANT, Chef Scripts** with Ivy to build the **application and deploy.**

**Environment:** Java, J2EE, AngularJS, Angular2/4, NodeJS, Typescript, Servlets, JSF, JSP, Spring, Spring Boot, Spring MVC, Spring JDBC, Hibernate, MVC, Eclipse, Maven, JSTL, JNDI, JMS, XML, JAXB, SOAP, Maven, Log4j, MySQL and Windows

**Client:** Fidelity – Boston, MA

**Jan 2014 - June 2016**

**Java Full Stack Developer**

**Project:** LoanIQ System

**Responsibilities:**

- Involved in all the phases of Software Development Life cycle SDLC.
- Developed HTML prototype documents with CSS Style Sheet.
- Worked on **Waterfall** Methodology to implement the application.
- Developed server-side applications using **Servlets, JSP, EJBs** and **JDBC.**
- Used **Struts** the MVC framework for building web applications.
- Used forward engineering approach to create skeleton classes from class diagrams.
- Followed architectural standards and coded Request Handlers, BO, DAO, SQL Helper classes.
- Used Java Servlets extensively and JDBC for database access.
- Using JavaScript performed client-side validations on Registration module.
- Used Struts MVC at front end. Server-side validations were performed using Struts validation framework.

**Education**

**Master of Science in Computer Science**

*Marist College, Poughkeepsie, NY*

**August 2013 - December 2014**

**GPA: 3.90**

**Bachelor of Technology in Computer Science**

*Shreyas Institute of Engineering and Technology, Hyderabad, India*

**August 2008 - May 2012**

**GPA: 3.5**