**Unicy Madugula**

Full stack Java Developer

**PROFESSIONAL SUMMARY:**

* Over 7 years of software development experience using **JAVA/J2EE** technologies.
* Hands on experience in the implementation of **Core** **Java SE 8** concepts like Streams API, Lambda functions, Generics, Time API, Functional Interfaces Multithreading, Transaction Management, Exception Handling and Collection API.
* Expert in various **Agile methodologies** like **Scrum**, **Test Driven Development (TTD), Incremental & Iteration Methodology, Pair Programming, Agile Development & Testing using Software Development Life Cycle**.
* Experience in building UI technologies like **HTML5, CSS3, Bootstrap4**and scripting languages like **JavaScript, JQuery, AJAX, DOM, AngularJS, Angular2 and ReactJS**.
* Experienced with **AngularJS** directives ng-app, ng-init, ng-model for initialization of **AngularJS** application data, implemented AngularJS Expressions, Directives, Controllers, filters and created **Angular JS** service layer.
* Strong experience in using **JSP’s, JSTL, Struts Tag Libraries, Tiles, HTML5, CSS3, Bootstrap3 and Bootstrap4** for developing Front-end web pages.
* Hands on experience in writing light weight **Node.js, Express**server using **JavaScript**, **JQuery**to make connections between server and databases like **MongoDB**.
* Experience in building applications using like **Java, Spring, Hibernate, EJB, JPA, JSF, Struts, Servlets, JSP.**
* Strong experience in using spring models like **Spring MVC, Dependency Injection, JDBC, JTA, Spring Rest, Spring Boot, Spring Microservices, Spring Eureka, Spring Netflix.**
* Implemented **Microservices** architecture using **Spring Boot** for making application smaller and independent.
* Hands on experience on **SPARK**, Spark Streaming, Spark Mlib, **SCALA**.
* Taken care of complete **Java multi-threading** part in back end components.
* Experience in developing **Spring JDBC Templates** and **Spring Rest Templates.**
* Experience in using**Drools** rules engine for defining business rules and Validations.
* Experience in Database Modeling, design and development of **PL/SQL, Stored Procedures** and **packages** in relational databases **Oracle 10g/11g, MySQL, SQL Server 2000.**
* Experience in managing and maintaining **Oracle** and**NoSQL** databases in production domain.
* Experience in developing and deploying the **microservices** applications in **Pivotal Cloud Foundry (Paas)**.
* Experience in using **Amazon Web Services** and **AWS SNS/SQS** for delivering messages.
* Experience with build tools like **Maven, CICD-ANT**and logging tools like **Log4J**
* Used **Maven** to build application and deploy on the server.
* Can handle commissioning and decommissioning nodes along with monitoring of Cassandra cluster
* Experience in **Service Oriented Architecture** and **Web Services** using **SOAP** and **REST**.
* Expertise in **XML** technologies like **DTD/Schemas, DOM, SAX**and **XSLT.**
* Experience using SOA which include **Universal Description and Discovery Integration (UDDI)** and **Web Services Description Language (WSDL)** using **SOAP** protocol.
* Good experience in integration tools and frameworks like **Spring Integration, Apache CXF, Apache Kafka and Apache Camel** to integrate and standardize the enterprise application technologies
* Experience in unit testing using **Karma, Jasmine, Junit** and integration testing using **Selenium, Continuum, Hudson, Jenkins** and **Apache Camel**.
* Experienced in Development, Testing and Deployment of various domain applications on Windows and UNIX platforms using IDE’s such as **Eclipse, NetBeans, Spring Test Suite, IntelliJ.**
* Experience in software configuration management using **CVS, SVN** and **GIT**.
* Experience in deploying application on **Tomcat, Web Sphere, Web Logic**and**JBoss**servers.

**TECHNICAL SKILLS:**

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| **Methodologies** | Agile, Waterfall, TDD (Test Driven Development) |
| **Web Technologies** | HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, Angular |
| **Java/J2EE Technologies** | Servlets, JSP’s, Struts, JSF, Multi-threading |
| **Frameworks** | Spring Dependency Injection, Spring MVC, Restful Services, Spring Boot, Spring Eureka, Spring Netflix, Spring Boot |
| **Protocols** | TCP/IP, HTTP, FTP. |
| **Programming Languages** | SQL Queries, PL/SQL, Stored Procedures |
| **App Server** | Apache Tomcat 5.x/6.x/7.x/8.x, IBM WebSphere, Web Logic 9.x/10.x/12.x, J-Boss 6.x/7. x. |
| **XML Technologies** | XML, XSL, XSLT |
| **Database Technologies** | Oracle11i/11g/10g/9i/8i, MySQL, DB2, MongoDB |
| **Web Services** | SOAP, REST |
| **Build tools** | ANT, Log4j and Maven 3.x, Hudson 3.x, Jenkins 2.x |
| **Version Control** | CVS, SVN, GitHub, Subversion and Clear Case |
| **Testing** | Junit, Jasmine, Karma, Selenium, Protractor, SOAP UI. |
| **Cloud Environments** | Azure, AWS, Netflix, Eureka, Mesos, Kubernetes |

**PROFESSIONAL EXPERIENCE:**

**Client: Cardinal Health,** **Twinsburg, OH Nov 2019 – Till Date**

**Role: Sr. Java Full Stack Developer**

**Description:** Cardinal Health, Inc. is an American multinational healthcare services company, and the 14th highest revenue generating company in the United States. The company specializes in the distribution of pharmaceuticals and medical products. The company also manufactures medical and surgical products, including gloves, surgical apparel, and fluid management products. Cardinal Health provides medical products to over 75 percent of hospitals in the United States.

**Responsibilities:**

* Involved in **Agile SCRUM** methodology.
* Implemented a security module in **Angular** that integrates with the Spring security in the backend with Authentication and Authorization and defined various custom directives.
* Implemented **Routing** and **HTTP modules** for navigation between the **components** and invoking the **Rest Services**using **GET, POST, PUT,**and**DELETE** methods.
* Worked with Angular CLI and Typescript in **Angular7** to create Angular components. Created arrange loop directive and components like data binding, dependency injection in **Angular 7.**
* Analysis, design and development of Application based on **J2EE** using **Spring** and **Hibernate 4.5.**
* Tested **Angular7** application using Jasmine framework and Karma configurations.
* Used **Spring framework**for Model View Controller (MVC)and integrated with **Hibernate.**
* Used **Spring inheritance, Auto-wiring, Core Containers, ORM modules**for migration from **EJB** to **Spring, Spring Quartz** for scheduling tasks to generating reports and emails to clients.
* Implementing or exposing the **Microservices** to base on **RESTful API** utilizing, implementing the **Microservices** to base on **RESTful API** utilizing **Spring Boot.**Worked on SOA Web Services using **SOAP** with **JAX-WS** for large blocks of **XML** data over HTTP.
* Used **RestAPI** with **JAX-RS** for consuming Restful web services.
* Worked on **Node Package Manager**
* Used concepts of Directives, Data-Binding and Dependency Injection in **Angular 6**.
* Deployed **Spring Boot** based Microservices Docker and Amazon EC2 container using AWS admin console. Developed API using **AWS Lambda** to manage the code and run the code in **AWS**.
* Expertise in Core Java concepts, such as Object-Oriented Design (OOD)/Object-Oriented Programming (OOP) skills, Multi-Threading, Generics, Exception Handling, Collections, Java Reflection, Annotation and some new features in **Java 8**.
* Utilized **Java 8** features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the application.
* Good experience with **Spring AOP, Spring Transactions, Spring Security, Spring Quartz** batch jobs. Used **Executor Framework** to deal with **Java Threads**.
* Deployed **Spring Boot** based **Microservices** into **Docker**container using **Amazon EC2** services.
* Used **AWS cloud** watch in maintaining and monitoring of production and corporate storages.
* Experience with building **Docker images** and running them on Docker container.
* Worked on Proof of Concept for developing application using **Mongo DB**.
* Unstructured data was handled using **MongoDB** and used Mongoose connector to connect to database.
* Worked on packages to run using dynamic SQL and developed **UNIX Shell scripts**.
* Configured and used **Maven scripts** to deploy application in server.
* Integrated Spring DAO for data access with **Hibernate** to implemented CRUD operations
* Implemented **Hibernate join strategies**, to select elements from different tables in efficient way.
* Used **SQL, HQL and Hibernate 4.5** criteria queries, depending on the complexity of the object.
* Configured and administered **Jenkins** for **CI/CD** into **JBoss** Application Server
* Involved in preparing the test cases using **Junit** and **Easy mock** test case and in the testing phase.
* Deployed on JBoss 7.1.0 enterprise server with JBoss Native and Metro stack using document style web services.
* Implemented transactions using **XML, Web Services, Microservices, JNDI and Multithreading Executor Services.**
* Designed and developed **Microservices** using (MEAN Stack) **Node.js, Mongo DB, Neo4J, Elastic** search on Cisco Private Cloud OpenStack Platform using **Express.js**.
* Working on **Microservices** to manage termination and methods that can produce a [Future](https://docs.oracle.com/javase/7/docs/api/java/util/concurrent/Future.html) for tracking progress of one or more asynchronous tasks. Experience in Building **Web Service** Contracts in **SOA Service Manager.**
* Implemented a metrics collection for the server by utilizing **Apache Kafka**to stream server-side events.
* Worked on **Drools** rule engine and exception rule engine for writing business rule validation.
* Designed and developed the **REST** based Microservices using the **Spring Boot**.

**Environment: Java 8, J2EE, Spring MVC, Hibernate, Rest web services, Angular 6, Spring 4.x, Spring Boot, Spring cloud, JSON, Maven, Junit, Hibernate, MongoDB, JBoss, Docker, ECMA6, NodeJS, AWS lambda, Executor services, Microservices architecture, Netflix ZUUL.**

**Client: Express Scripts, St.Louis, MO Aug 2018 – Oct 2019**

**Role: Java Full Stack Developer**

**Description:**The project deals with the capability to refill prescriptions on-line check an order status, and research drug and health information and enables express to have multiple billers in place. Focuses especially on the cost effective and appropriate delivery of prescription medications to the market and assists its customers to moderate the cost and enhanced the quality of prescription drug benefits to the members nationwide

**Responsibilities:**

* Involved in Requirement gathering, Design, Analysis, and Code development by following**Agile** methodology.
* Built **Angular 5** components, UI services to consume rest services using Component based architecture provided by **Angular 5**.
* Creating a range loop directive, modules, Expressions, scope, Templates,and components in **Angular JS** developed the server-side single page applications on **AngularJS** platform using **JavaScript** programming.
* Used **Multi-threading** to overcome the errors in transactions and to handle all the threads by the main thread process.
* Developed the Application using Spring Features like **Spring MVC, ORM, Spring Boot and Spring Security** for**application access**and**authorization, Spring Integration, Spring AOP** for cross cutting concerns.
* Used **Spring Ribbon** API to check servers are up and running in live environment to detect those servers that are down.
* Designed **Spring boot** mechanism without configuration XML's and replaced it with Java classes and used **Spring Boot** **Actuator** to externalize application's configuration properties for different environments.
* Built **RESTful web service** by building **Node JS** Server in the back-end to handle requests sent from the front-end using **jQuery** and **Ajax** calls. Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Worked on creation of custom **Docker** container images, tagging, and pushing the images to the servers.
* Develop strategy for integrating internal security model into new projects with **Spring Security and Spring Boot.**
* Developed API to get the time series data from **Amazon S3 bucket** to Predix cloud.
* Developed powerful Single Page Application and dynamic responsive Web Application with **Angular 5**.
* Used slick to **query and storing** in database in a Scala fashion using the powerful **Scala collection framework.**
* Used **Maven** and **Jenkins** to automate the build and deploy process in **cloud Foundry**.
* Involved in coding for the presentation layer using **jQuery,NodeJS, JavaScript.**
* Used **JMeter** for stress testing**, Selenium WebDriver** for testing the automation code**.**
* Worked on **Spring Quartz** functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* Used **Maven** as a build tool for compilation and building JAR, WAR and EAR files and retrieved all the dependencies required for the running the application, Log4J for logging errors, messages, and control log statements.
* Implemented the application using **design patterns** such as **Session Façade**, **Business Delegate**, **Adaptor**, **Bean Factory** and **Singleton** and Deployed the application in **Apache Tomcat Server.**
* Used **Spring Batch** as spring batch jobs for automatic processing of large amount of data in the application.
* **Spring MVC Framework IOC**design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code.
* Used **Hibernate** environment for configurations, mappings, annotation extensions for easy mappings, relationships between tables and entity classes to access and update information in the database.
* Extensively used **Hibernate** concepts such as **inheritance, lazy loading, dirty checking, locking, and transactions**.
* Worked with **ELK** stack for searching the log, routing the log data and for visualizing the logged data.
* Worked with Advanced **Java 1.8 features like Lambda** for adding functionality processing capability and **Stream API** to facilitate pipeline processing and method to eliminate elements based on the criteria.
* Worked on **Oracle 11g**database concepts such as locking, transactions, indexes, sharing, replication, schema design.
* Created **Stored Procedures**, User Defined functions, Views and implemented the Error Handling in the Stored Procedures and Modified already existing stored procedures, **triggers, views, indexes** depending on the requirement.
* Migration of Existing Application to **AWS** cloud platform. Used Amazon Web Services (**AWS**) like **EC2 servers, S3 storage**, **RDS instances**, cloud watch and Cloud Front for promoting code in multiple environments.

**Environment: Core Java/J2EE, Spring MVC, Web Services, EJB 3.0, JPA, Apache Axis, Oracle10g, MongoDB, Java Script, AJAX, HTML, Angular JS, RAD, RSM, Log4j, Clear Quest, Netflix Eureka, Spring Kafka, Zookeeper, Docker, Rational Clearcase, AJAX, Bootstrap, JBoss, Jenkins, JMeter, SVN, Maven.**

**Client: Principal Financial Group, Des Moines, IA Jan 2018 – July 2018**

**Role: Java Full Stack Developer**

**Description:**The Principal Financial Group is a global financial investment management and insurance company headquartered in Des Moines, Iowa. This offers individuals and institutional clients a wide range of financial products and services including retirement, asset management and insurance, through its diverse family of financial services components.

**Responsibilities:**

* To analyze the root cause for a problem raised and provide quick solution as soon as possible.
* Used **Agile Scrum** to manage the full life cycle development of the project.
* Developed application using**Spring MVC, Hibernate and Rest web services** on presentation layer, business layer is built using spring and the persistent layer.
* Used **Spring** configuration files, application context object for creating various factory objects.
* Created **Spring MVC** components like Dispatch servlets, configure Request mapping annotation
* Used **Hibernate** with **JPA annotation** and created several persistent classes.
* Implemented **Spring MVC controllers** with annotations, validations and using model attributes to pass request from the presentation layer to helper classes in java.
* Developed and ensured service design Reference Architecture for in **SOA** Environment.
* Developed **DAO classes** with **JUnit**using **Spring DAO package** for data access manipulation.
* Developed **JMS** components to send messages from one application to other applications.
* Built EJB with Point-to-Point messaging functionality and MQ Series as **JMS** provider.
* Integrated **Spring** with **Hibernate** using configurations and implemented DAO layer.
* Extensively used **Hibernate** ORM in data access layer to write DAOs.
* System analysis and deliver integration specification which includes interfaces exposed, technology and protocols used based on Oracle SOA suite of products mainly BPEL, Service Bus and **WebLogic** application server including **JMS** resources.
* Implementation of asynchronous workflow engine based on **JMS**.
* Experience in installation, configuration, deployment and management of web and enterprise applications on BEA **WebLogic Server**.
* Taken care of complete **Java multi-threading** part in back end components.
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Expertise in creating Custom Reusable React Components Library.
* Used ReactJS for templating for faster compilation and developing reusable components.
* The web UI is implemented with DOJO JavaScript framework that includes drag-and-drop, tree and grid controls, and floating panes.
* Used Node-NPM for managing application dependencies and took part in setting up the package.json file
* Created different XML documents using **XML, XSD and XSLT**. Used Light DOM parser, and SAX parser for transforming the XML data.
* Oracle 11g used as backend, worked on SQL queries for persistence of Business Objects using **JDO** as **ORM**. Involved in creating different **SQL** scripts.
* Used **Maven** to build application and deploy on the server.
* Configured and created application log files using **Log4j** to trace application and **GIT** for version controlling.

**Environment: Java , Spring Dependency Injection, Spring MVC, Hibernate, Rest web services, Spring Boot, Junit, Spring IOC, Spring security, Spring Batch, JQuery, Backbone JS, NodeJS, Handlebar JS, AWS, IBM WebSphere, Oracle, Apache-Maven, Junit, Hibernate, JMS, WebLogic, WSDL-2, HTML, XML, XST, XSLT.**

**Client: Byte Alpha –India          July 2014 – Nov 2017**

**Role: Java/UI Developer**

**Description:**Byte Alpha is a startup which involves in developing a J2EEbased framework to support dynamic report creation from various distributed databases. The framework supports dynamic PDF generation using iText, an open source PDF generation library. The framework facilitates new report formats ad databases by using xml configuration files.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, analysis, design, development, testing and production environments.
* Worked on **Agile Development Methodology**using Scrum**concepts**.
* Worked in developing Spring related backend services (For the flex to access the database).
* Communicate effectively with other operations and/or program managers at other sites
* Worked with cross functional team like **UX, design, development, QA**, marketing and different Line of Businesses.
* Perform detailed, quantitative analysis and research, develop business cases and solution models for specified situations
* Partner with Knowledge Management, capacity & Workforce Planning to prioritize and manage regular operational workflows as well as associated training needs.
* Used **Java Script** validation in **JSP** pages
* Work in a global delivery model with cross-functional and cross-geographical teams managing large, confidential and complex data sets
* Participate in interviews, workshops and training sessions and support team and client through the project
* Ensuring timely communication of status reports to all stakeholders
* Investigate all incorrect escalations & re-route them
* Publishing weekly, monthly & quarterly performance reports.

**Environment: Java , J2EE, Spring Boot, Servlets, JDBC, PL/SQL, HTML, JSP, Eclipse, UNIX**

**Client: Brainwork’s IT Solutions, Hyderabad, India         June 2013 – June 2014**

**Role: Jr. Java/J2EE Developer**

**Description:**This project involves in developing an application to automate the Sales Order Transactions of the company. This application keeps a track of the information pertaining to the sales transaction such as Customer details, Product or Item Description and their Pricing schedule, Purchase Order details, View and Enquiry of the Order Screens. Designed and developed the Order Processing Module. Involved in the design and coding of this module. The system checks the database for availability & invoice is prepared.

**Responsibilities:**

* Developed backend logic using Core Java including **Collections, Multithreading and Exception Handling.**
* Implemented **Multithreading** feature for processing the requests to achieve high performance.
* Developed activities using **Core Java/J2EE, Servlets, JSP used for creating web application.**
* Implemented JDBC for database connectivity with **MySQL** Server.
* Worked on Web Technologies using **HTML, CSS, JavaScript, and AJAX**.
* Developed/Customized **Java Server Pages** (**JSP)**for Customer **UserInterface (UI)**.
* Developed and implemented the MVC Architectural pattern using **STRUTS** framework including **JSP, Servlets,**and**EJB** and created**Stored Procedure**,**Trigger** for database access and events.
* Developed the business logic code in **Core Java/J2EE, Struts**and **JDBC.**
* Deployed Application using**Weblogic Server.**
* Designed, developed & maintained the data layer using the ORM framework called **Hibernate**
* Involved in the development of SQL queries to get data from **MySQL**
* Extensively worked on**Object Oriented Programming**aspect of**Java**using**JDK 1.5**for collections alongwith**comparator, Multithreading, thread synchronization.**
* Developed**Unit Tests**and**Test Suites**using**Junit**

**Environment: Java 1.6, Struts 2.0, Spring 2.5, JSP2.0, XML, HTML, ANT, CSS, JavaScript, JBuilder, Hibernate3, MySQL, WebLogic, Continuum**