**Rythwik Reddy**

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**PROFESSIONAL SUMMARY:**

* 11+ years of IT experience in **Analysis, Design, Development, Implementation** and Testing of **Enterprise Applications** in the Client/Server environment using **Java/J2EE** **in Client-Server, 3-tier,** and **n-tier** applications.
* Proficient in all phases of **SDLC** (**analysis, design**, development, testing and deployment) and highly competent in gathering user requirements.
* Experience with **SDLC**, **STLC** - methodologies like **Agile**, **TDD**, **Scrum**, and **Waterfall**.
* Expertise in **front-end development** using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **AJAX**, **JSON,** and **Bootstrap**.
* Experience in application of **MVC** and client side JavaScript frameworks such as **Angular** **4**, **Angular** **2**, **Angular**.**js**, **TypeScript**, **React**.**js**, **Redux**, **Flux**, and **Thunk**.
* Hands on developing **Angular** features like **Routing**, **Directives**, **Services**, **Components**, **Pipes**, and **Filters**.
* Expertise in developing applications using Core Java concepts like **OOPS**, **Multithreading**, **Collections** **Frameworks**, **Exception** **Handling**, **Data structures and JDBC**.
* Experience in implementing **Polymorphic** **DB Tables**, **Polymorphic** **Hibernate** **Entities**, **Polymorphic** **REST** **resources** and **Polymorphic** **JPA** **repositories**.
* Experience in using **Angular** forms like **Template** **Driven** and **Reactive** **forms** for both client side and server-side validations.
* Good working knowledge with **Java11/ Java 10/ Java 9/ Java 8** features like streams, **Lambda expressions** and **functional interfaces** etc.
* Experience in using **React components**, **Router**, **plus** **Redux**, **Animations**, **Forms**, **Events**, **Keys**, and **Flux architecture**.
* Experienced Model View Controller framework such as **Angular** **framework** for creating **Single** **Page** **Application** (**SPA**).
* Expertise in Core **Java concepts** - **Collection** **framework**, **Exception** **handling**, **IO**, **latest** **Java** **features**, **Serialization**, **Multi**-**Threading**, **Concurrency** etc.
* Extensive knowledge of cloud computing, including **AWS** (**Amazon** **Web** **Services**) and **MS** **Azure** (**Azure** **SQL** **Database**, **Azure** **Data** **Lake**, **Azure** **Data** **Factory**).
* Experience with popular **React**.**js** workflows (such as **Flux** or **Redux**).
* Extensive knowledge in implementing a multitude of **J2EE** Design Patterns such as **MVC**, **Adapter**, **Builder**, **Factory** and **Singleton**.
* Experience managing **Azure Data Lakes (ADLS)** and **Data** **Lake** **Analytics** and an understanding of how to **integrate** with other **Azure** **Services**.
* Hands-on experience in implementing different frameworks like **Spring** **Core**, **Spring** **MVC**, **Spring** **Data** (**Spring** **JDBC**, **Spring** **ORM**), **Spring** **Boot**, **Spring** **Microservices**, **JSF**, and **Hibernate**.
* Experience with **Amazon** **Web** **Services** (**AWS**) services like **EC2**, **VPC**, **Cloud** **Watch**, **Cloud** **Formation**, **IAM**, **S3**, **RDS**, **Elastic** **ache**, **SNS**, **SQS**, and **SWF**.
* Experience in deploying **Microsoft** **Azure** for applications utilizing the **Azure services** Including **Blobs**, **Resource** **Groups**, **Azure** **SQL**, **Compute**, **Web** **&** **Mobile**, **Cloud** **Services**, and **ARM**, focusing on high - availability, fault tolerance, and auto-scaling.
* Strong knowledge of Google Cloud application (GCP) security models, protocols and tools like AWS IAM, AWS KMS policy, AWS Lambda, Google Cloud Applications (GCP).
* Having experience with Cloud Computing environment like Google Cloud Platform (GCP), Docker Containers.
* Experience in metrics collection mechanism for the server by utilizing Apache Kafka to stream serverside events.
* Strong knowledge in **SOAP**, and **RESTful** for exchanging structured information in the implementation of **web** **services**.
* Expertise in implementation of **Object** **Relational** **Mapping** (**ORM**) f**rameworks** like **Hibernate**, **Spring** **data**, and **JPA** in developing applications.
* Experience in using **Hibernate** **Query** **Language** (**HQL**), **HSQL** **Named Queries**, **Criteria**, and **Projections**.
* Good Knowledge in **Amazon** **Web** **Services** (**Amazon** **EC2**, **Amazon** **S3**, **Amazon** **Simple** **DB**, **Amazon** **Elastic** **Load** **Balancing**, **Amazon** **SQS**, **Amazon** **EBS** and **Amazon** **Cloud** **Front**).
* Experience in working with NoSQL databases like **MongoDB**, **Cassandra**, and **DynamoDB**.
* Strong experience with complex **PL**/**SQL** **Triggers**, **Stored** **Procedures**, **Packages** and Views in **DB’s** **Oracle**, **MS** **SQL** **Server**, and **MySQL**.
* Experience in working in different **IDEs** like **IntelliJ** **IDEA**, **RAD** (**Rational Application Developer**), **RSA** (**Rational** **Software** **Architect**), **Eclipse**, **IntelliJ**, and **NetBeans**.
* Experience in **configuring** and deploying the applications into **Web** and **Application Servers** such as **Tomcat**, **WebSphere**, **Web** **Logic** and **Jboss** Servers.
* Hands on experience in configuring and using **Maven** and **Ant** **build** **tools**.
* Experience in installing **Docker** using **Docker** **tool** **box**. Environment provisioning solutions using **Docker**.
* Decent experience in using code repository tools **Git**, **BitBucket** and **GitHub**.
* Experienced with **Jenkins**, and **Hudson** to **CI**, **compile**, **build**, and **deploy** **applications**.
* Experience in testing with **JUnit** **Framework** using **Mockito** and **Easy** **Mock**, **Load** **Runner**, and **JMeter**
* Experience with **JUnit** and **TestNG** in developing test cases and determining application functionality.
* Experience using **GraphQL** to query and mutate data from backend **REST/SOAP** services.
* Experience working with **JIRA** as Defect management for bug, issue tracking of application.
* Efficient team member with excellent work/ time management skills excellent leadership, communication and interpersonal skills, ability to work under **strict deadlines**.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Programming Languages | Java 17/11/ 10/ 9/ 8, J2EE |
| Java | Java, J2EE, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI and JPA |
| Java Frameworks | Struts, Hibernate, Spring MVC, Spring Boot 2.7, Spring Batch, Spring frame4.0, Spring Security, Spring Data, Spring Cloud, Spring Security |
| Web Technologies | JSP, Servlets, HTML5, CSS3, XML, Angular 4/6/10/11, Angular.js, TypeScript, React.js 14, Redux, Thunk |
| Cloud Computing | MS Azure, Amazon Web Services (AWS) |
| AWS | S3, EBS, VPC, ELB, EC2, AMI, RDS, EMR, LAMBDA, Cloud Front, Cloud Formation, Cloud Tail security groups, Glacier, ELASTIC BEAN STALK, Route 53, ELK |
| MS Azure | MS Azure Functions, Azure Cognitive Search, Azure Active Directory, Azure App Insights, ARM Templates, Azure CLI, Azure App Services, Azure Event Grids, Azure Front Door |
| Scripting Language | JavaScript, AJAX |
| Databases | Oracle, SQL Server, MongoDB, Cassandra |
| Middleware | EJB, JMS, WebSphere MQ |
| Application Servers | WebSphere, WebLogic, Tomcat Server |
| Build Tools | Ant, Maven |
| Framework | Struts, Spring MVC, Hibernate |

**PROFESSIONAL EXPERIENCE:**

**Client: Fidelity Investments – Westlake, TX**

**Role: Sr. Back end Java Developer**

**Duration: Aug 2022 – Present**

**Project Description**: The main objective of the project is to design and develop Web-based software to manage investments and about matching performance goals with acceptable levels of risk and reporting investment decisions. The project involved securing and enhancing the software with the introduction of the new functionalities.

**Responsibilities:**

* Involved in various phases of **Software** **Development** **Life** **Cycle** (**SDLC**) such as **requirements** **gathering**, **modelling**, **analysis**, **design**, **development** and **testing** (**Agile Development Methodology**/ **SCRUM** and tested the application in each iteration).
* Worked with Advanced **Java** **17** features like Lambda for adding functionality processing capability and Stream API to facilitate pipeline processing and method to eliminate elements based on the criteria.
* Developed enterprise **Java 17** solutions following standard/best practices including SDLC and design pattern.
* Involved in planning process of iterations under the **Agile** **Scrum** **methodology** (3 Iterations).
* Created webpages pages using **HTML5**, **CSS3**, **JavaScript**, **jQuery** **UI**, **Restful** and **AJAX** to create **interactive front-end GUI**.
* Redesigned site with everything from contact page to landing page all using **ReactJS 14**.
* Worked hands-on in developing framework in - **Google Cloud Platform: Pubsub, Dataflows, Big Query** for processing high volume of streaming data in batch and parallel
* Extensively using **Java** **11** features like **Lambda** **expressions**, **Stream** **API,** and Collections.
* Developed various screens for the front end using **ReactJS 16** and used various predefined components from **NPM** (**Node Package Manager**) and **redux** **library**.
* Build data pipelines in airflow in GCP for ETL related jobs using different airflow operators.
* Create and configured the continuous delivery pipelines for deploying Micro services into GCP cloud.
* Experience in public cloud platforms like AWS and GCP.
* Developed **Spring Boot Microservices** with microservice architecture using **REST** and **Apache Kafka.**
* Used **Multi-Threading** concept to process multiple tasks concurrently to make performance better.
* Deployed **Java** based applications on **Microsoft** **azure** platform environment.
* Used **React** **JS** components like **Forms**, **Keys**, **Events**, **Router**, **Animations** and **Flux** concept.
* Deployed **Java based applications** on **Microsoft azure** platform environment.
* Developed applications using **Java** **9** and new features of java (Lambda expressions**, Date-Time API**).
* Developed **Microservices** with **Spring Boot 2.7** and **Spring Batch** along with the test cases.
* Created **AWS Launch configurations** based on customized **AM**I and use this launch configuration to configure auto scaling groups and implemented AWS solutions using **EC2, S3, RDS, and MongoDB**.
* Developed **AWS lambda** **function** to send a request for internal service end points through **API Gateway** using **Apache Http** Client.
* Used **Spring Security designed** for authorization and **authentication** and manage the **security issues.**
* Used **React** **JS 16** **components**, **Events**, **Keys**, **Router**, **plus** **Redux**, **Forms**, **Animations** and **Flux** **concept**.
* Worked on **Azure** **web** Jobs & **Azure functions** to perform asynchronous updates between our system and external **APIs**.
* Developed **Hibernate** configuration files and queries and Implemented **DAO** classes using **JPA** and developed persistence Layer using **Hibernate**.
* Developed, configured, and maintained a new **GraphQL** service using **Spring Boot, Spring WebFlux, Reactor**, that was responsible for communicating with the SOAP/REST endpoints in our existing microservices to fetch the required data.
* Used **Spring** **Boot 2.7** service layer with dependency wiring, transaction, DAO and annotations.
* Worked with **MS** **Azure** **services** such as **Azure Firewalls, Azure VM, IIS**, **Azure IAM, Active** **Directory, ARM, Azure** Storage, **Azure SQL**, and **Azure Service Bus**.
* Developed screens for the front end using **ReactJS** and used various predefined components from **NPM** and React Redux library.
* Designed and created the **NoSQL DynamoDB** database to store the application data.
* Used graphql-java-kickstart library as an implementation of the **GraphQL** specification making use of DataFetchers, DataLoaders.
* Develop and execute **Unit** **Test** plans using **TestNG**.
* Experience in GCP Dataproc, GCS, Cloud functions, BigQuery.
* Developed **Maven** scripts to develop the project **war** **files** and to deploy on to the **JBoss** **Server**.
* Performed Continuous build and continuous integration using **Jenkins**.
* Maintained Version control of the code and configuration files using **Git**.
* Worked on **SOAPUI** extensively to perform **Unit** **Testing** of newly developed / existing web service operations.
* Used **Kafka** to publish messages from one service and **subscribe** the messages using another.
* Worked on Postman extensively to perform **Integration** **Testing** of newly developed **REST** **web** **service** operations.
* Conducted thorough testing of React components and **redux actions** using testing frameworks like **Jest**, ensuring robust code quality and minimizing bugs.
* Used **JIRA** tool for project management in the application to **tack bugs**, issues and project management functions.
* Created and worked with various **SQL and NoSQL** databases such as **AWS RDS Aurora DB cluster, MySQL,DynamoDB, MongoDB** and connected to the database through DB Instances using the AWS Java SDK.

**Environment:** **Agile, Scrum, HTML5, CSS3, React.js 16, Redux, Flux, Redux Thunk, CSS3, JavaScript, Node.js, NPM, JQuery, Java 11,** Java 17 **Spring MVC, Spring Boot2.7, MS Azure, Azure Firewalls, Azure IAM, Active Directory, ARM, Azure Storage, Azure VM, IIS, Azure SQL, Azure Service Bus, Hibernate, SQL, Git, Maven, Jenkins, TestNG, Postman, SoapUI, JMeter, Jest, Jira.**

**Client: American Airlines – Dallas, TX**

**Role: Sr. Back end Java Developer**

**Duration: Nov 2021 – July 2022**

**Project Description**: I was involved in this project using Java/J2EE, Spring, Spring Boot, Spring Cloud, Circuit Breaker, Azure, Hibernate, HTML5, CSS3, JavaScript and ReactJS. The end goal is to streamline the product offering, create innovation and usability to ultimately enhance American’s customer satisfaction.

**Responsibilities:**

* Implemented **Java 11** features such as **lambda** expressions, filters, and **Parallel operations** on collections for effective sorting mechanisms.
* Worked with Microservices architecture using **Spring Boot 2.3** to modularize code and implemented Rest APIs using **Spring Rest** and integrated **Swagger** API for documentation.
* Used dependency injection features of **Spring MVC** framework, and **ORM** mapping tool **Hibernate** for rapid development and ease of maintenance.
* Used **Restful web services** to communicate with **MongoDB** and performed **CRUD** operations on **MongoDB** using restful web services.
* Implemented **Hibernate Caching** (**Second level EH Cache**) optimized **database query** performance.
* Developed UI pages using **HTML5**, **Bootstrap**, **CSS3**, **JavaScript**, **jQuery**, **AJAX**, **ReactJS 16**, and **NodeJS 11**.
* Used **ReactJS** 16 to create reusable **UI** components which **present data** that changes over time.
* Maintained States in the Stores and **Dispatched** the Actions using **Redux**.
* Experience in moving data between GCP and Azure using Azure Data Factory.
* Managed Google Cloud Platform Services (GCP) like Compute Engine, Cloud Storage, App engine, IAM, Spanner, Google Kubernetes Engine, Cloud build through GCP Console and Cloud Shell.
* Experience in designing, developing, and maintaining software solutions in GCP environment.
* Good knowledge in Design, develop, deploy high performing data solutioning in GCP.
* Perform model, tune, implementation of Google Big query solution in GCP
* Investigated and resolved issues related to the application's functionality or performance in the **MS Azure** environment.
* Created Reusable **ReactJS 16 Components** and managed application State with **Redux.**
* Used **React-Router** **for incorporating** the routing in the **web application.**
* Used **Node Package Manager (NPM)** to manage the **modules** and used it to install useful tools such as **Grunt, and Express**.
* Used microservice architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka endpoints.
* Implemented an express-graphql library to mount a GraphQL API server on the user-configured HTTP endpoint.
* Implemented a recursive algorithm to parse large GraphQL introspection queries into a dotfile format in order to visualize the one-to-many relations between schemas in a SVG format.
* Managed **Amazon Web Services (AWS)** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC) through AWS Console and API Integration.**
* Designed and developed the Amazon EC2 instance to copy the file from mainframe to cloud, process and store it in **DynamoDB.**
* Created **API** documentation by using the **Swagger** **framework.**
* Implemented **Azure Cache** for **Redis** with **Java,** enhancing application performance by **caching frequently** accessed data.
* Configured and managed **Azure Virtual Networks (VNETs)** to **securely isolate** and connect **Java-based** application resources.
* Worked on Google CloudPubSubConnector connector (sink and source connector) to be used with **Apache Kafka Connect** to publish messages from Kafka to Google Cloud Pub/Sub and vice versa.
* Employed **Azure Service Bus** with **Java** applications to enable reliable messaging and asynchronous communication between different components.
* Involved in writing **Oracle** **PL/SQL Stored procedures, triggers**, and views.
* Installed, maintained, and fine-tuned the **Apache-Tomcat** server and **WebSphere Application Server** in the **Linux Platform**.
* Used **Spring Kafka** framework to publish and consumer messages into/from **Kafka Cluster**.
* Used cloud shell SDK in GCP to configure the services Data Proc, Storage, BigQuery
* Developed **CI/CD system** with **Jenkins** on **Kubernetes** container environment utilizing **Kubernetes.**
* Implemented Unit Testing using **TestNG**, **Mockito**, and **Selenium**.
* Used **Eclipse** to **develop** and debug the application.
* Expertise in using built tools like **Maven** for the building of deployable artifacts such as jar & war from source code.

**Environment:** Java 11, Microservices, Kafka, Spring Boot 2.3, Spring MVC, JavaScript, HTML5, CSS3, AJAX, Bootstrap, jQuery, Spring Security, MS Azure, Azure Services Bus, Azure VMs, Azure Cache, NodeJS 11, Swagger, Rest, SOAP, MongoDB, ReactJS 16, Jenkins, Log4j, Oracle, JBoss, Docker, Kubernetes, Apache Tomcat, Eclipse, Mocha, Chai, Mockito, JUnit, Agile, Maven, Git.

**Client: Kohl’s Corporation – Menomonee, WI**

**Role: Sr. Java Developer**

**Duration: May 2020 – Oct 2021**

**Project Description**: The project involved in development of e-commerce implementation in Kohl’s Corporation, enabling it to sell its products online. The portal is completely developed using Java/J2EE technologies with Spring, Hibernate, AWS and Web Services on WebSphere Application Server on Linux Platform.

**Responsibilities:**

* Led the analysis, design, and implementation phases of the **Software Development Life Cycle (SDLC)** and employed **agile methodology** for application development.
* Designed and developed the application using framework **React.js** with **HTML5,** and **CSS3**.
* Built stable **React components** and stand-alone functions to be added to any future pages.
* Used **ReactJS** components, **Forms, Events, Keys, Router, Animations** and **Flux concept.**
* Implemented the **Drag** and **Drop** functionality using **React-Draggable**.
* Built isomorphic applications using **ReactJS** and **Redux** with **GraphQL** on the server-side.
* Implemented various screens for the front end using **ReactJS** and used various predefined components from **NPM** (Node Package Manager) and **redux library**.
* Worked with designer of **UI page**s to create a prototype using **HTML 5**, **CSS3**, **JavaScript**, **and jQuery**.
* Utilized **Java 11** features like **Stream API**, **Time API**, Functional **Interfaces**, Multithreading, and Exception Handling.
* Implemented Microservices architecture using **Spring Boot** and **REST API**, ensuring scalability and modularity.
* Used **CSS Sprites** to **decrease** the number of **HTTP requests** and load time of web pages.
* Established a **Microservices-**based architecture by deploying **Spring Boot**, enabling seamless interaction through **REST APIs**.
* Created **Angular 12** components, implemented Interpolation, Input **Variables, Bootstrapping, NgFor, NgIf, Router Outlet,** event binding, and decorators.
* Used **jQuery** **UI** for dialogs, tabs, data picker and model popups.
* Worked on **AWS S3** services creating buckets, configuring buckets with permissions, versioning, logging, and tagging. Integration of **Amazon Web Services (AWS)** with other applications infrastructure.
* Configured **AWS EC2** instances in developing and QA environments with **NodeJS**.
* Installed, configured, and administered NoSQL database clusters in **AWS Virtual Private Cloud Network** for available data on cloud.
* Implemented Continuous Integration and Continuous Deployment (**CI/CD**) pipelines, ensuring automated and streamlined software delivery processes.
* Secured the API's by implementing **Oauth2** token based authentication/authorization scheme using spring security.
* Used **Microservices** architecture, with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka Message Brokers.**
* Responsible for front-end **UI** development using **HTML5, SCSS, Typescript, PrimeNG, Angular 12,** and **RxJS.**
* Created dynamic schema design through **NOSQL** **MongoDB** by writing rich queries and **achieved data** in a collection to be distributed across multiple systems for horizontal scalability as data volumes increase through Automatic Sharing.
* Developed **Maven** Profiles for the build process and deployed in the server.
* Used **Bootstrap** along with **AngularJS** to create the application.
* Developed a web application using **Angular 12** as front - end and using **Web API** to receive and pass **data to back-end.**
* Set up **continuous integration (CI)** pipelines using **Jenkins** for automated testing and deployment.
* Used **Git** as Version control for code repository and for **continuous integration**.
* Used **jQuery** **UI** for **dialogs, tabs, data picker** and model popups.
* Configured **Jest** for various **JavaScript** libraries and frameworks, including **React**, ensuring comprehensive test coverage.
* Performed Unit test cases using **TestNG** for spring, **Mocha and Chai** for **React**.

**Environment:** Java 11, Spring Framework, Kafka, Swagger, SQL Server, Apache Kafka, Spring AOP, Spring MVC, Spring Boot, Spring Security, OAuth2, Agile Methodology, REST API, Apache Kafka, TestNG, Mockito, Maven, CI/CD Pipelines.

**Client: Grand Bank – Tulsa, OK**

**Role: Sr. Java Developer**

**Duration: July 2019 – Apr 2020**

**Project Description** This project is an **Online** **Web** **Portal** **provides** **enhanced** **account** **information** **for** **the** **corporate** **banking** **customers** **across** **the** **country**. This web portal projects customer consolidated account information at any point of time. Customer transactions are received in specific file format from various regions. Customer can view his account balance, consolidated balance, historical account balance, historical consolidated balance, transaction summary.

**Responsibilities:**

* Involved in doing **Agile** **practices**, attending daily agile (**Scrum**) meetings and **Sprint** retrospective meetings.
* Creating **Front**-**end** **Applications** using **HTML5**, **CSS3**, **JavaScript**, **JQuery**, **AJAX, XML and JSON**.
* Extensive use of **Angular** **4** for developing the **SPAs** (**Single Page Applications**) for **internal application/tool.**
* Worked on **Angular directives**, Controllers**, Filters, Services, Templets,** Events, and Injectors also created the angular custom directives, Filters, and Services.
* Used **Java** **8** for default methods to implement multiple inheritance
* Worked with **Apache Tomcat** in **Spring** **Boot** to run and debug projects.
* Integrated **HTTP** **services** and **RESTful** **APIs** in **Angular** **4** using **HttpModule** for **data communication**.
* Used **J2EE** **Design** **Patterns** such as **Singleton** **Pattern, Factory** **Pattern**, etc.
* Connected to Data Sources and performed operations using **Spring** **Data** **framework** features like **Spring** **JDBC** and **Spring** **ORM**.
* Working knowledge in **AWS** (**Amazon web services**) like **S3** **storage**, **Dynamo** **DB** and **EC2** **instance**.
* Developed the user interface using **JavaScript** to view all online trading transactions and client side validation tool using **Angular** **4** and **JavaScript**.
* Used **Microservices** **architecture** with **Spring** **Boot** to the development of **Kafka**-based messaging solutions.
* Created **S3** **buckets** in **AWS** environment to store files, which are required to serve static content for a web application.
* Implemented persistence using **Hibernate** that uses the **POJOs** to represent persistence **database** **tuples**.
* Used **PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Developed **API** for using **AWS** **Lambda** to manage the servers and run the code in **AWS**.
* 4Developed custom directives, Factories and Services in **Angular** **4** and implemented code according to coding standards and created Angular 4 Controller to isolate the scopes to perform operations and extensively used **Core** **Java** such as **Exceptions**, and **Collections**.
* Developed the **Maven** **scripts** for preparing **WAR** **files** used to deploy **J2EE** **components**.
* Implemented **Hibernate**, **object**/ **relational**-**mapping** (**ORM**) solution, technique of mapping data representation from **MVC** **model** to **MySQL** **Relational** **data** **model**.
* Used **Continuous** **delivery** / **Continuous** **Integration** (**CD/CI)** tools **Docker**, **Jenkins** to deploy this application to **AWS** and used **GIT** for **Version Control** of code for incremental development.
* Worked on **Maven** to generate **EAR** **file** and install it **in application server**.
* Used **Tomcat** as **web** **server** to store the static contents and **Jboss** as application server.
* Implemented **Kafka** **Producer** and **Kafka** **Consumer** in **Microservices** to ensure real time **data flow** between the consumer and **producer.**
* Developed **TestNG** **test** **cases** for **DAO** and **Service** **Layer** methods for **optimal code**.
* Developed and maintained **unit** **tests** using **Jasmine** and **Karma** in **Angular** **4** for code quality assurance.
* Used version control repository **Git** and **JIRA** for issue tracking.

**Environment: SDLC, Agile, Scrum, Angular 4 , TypeScript, JavaScript, HTML5, CSS3, LESS, Java 8, Spring Boot, Spring Security, Bootstrap, Hibernate, Jenkins, Log4j, MongoDB, Oracle, JBoss, AWS, Lambda, EBS, Elastic Load Balancer, EC2, S3, VPC, RDS, Docker, Apache Tomcat, Selenium, Karma, Jasmine, Mockito, TestNG, Kubernetes, Kafka, Maven, TestNG, Jira.**

**Client: Commvault – Hyderabad, India**

**Role: Software Developer**

**Duration: Aug 2016 – Nov 2018**

**Project Description**: The project was to design web applications and development of all phases of SDLC and includes the design of User Interface for the application and systems integration development. The project involved providing high-quality solutions by coding, testing, debugging, documenting, and maintaining programs. Also developed and modified moderately complex information systems involving most phases of systems analysis and programming.

**Responsibilities:**

* Worked on complete **Agile** Development, **story grooming, estimations, retrospectives**, and **spring** planning.
* Developed a **Java web application** using **MVC** by **JSP, Spring and Hibernate**.
* Developed **Spring Boot** to fasten the application for **removing boiler** plate configurations by using **Lambda** Expressions **(Java8)**
* Developed **Microservices** for **service-oriented architecture** to build **flexible** and independently deployable **software.**
* Developed user interface with **HTML5, CSS3, JSON, AJAX, Angular 2 and Typescript**.
* Worked with **single page application** **framework** **Angular 2** extensively using **routing, services, views, directives** navigation through the different status and **multiple modules.**
* Used Core **Java 8** and **Multithreading**/ **Concurrency** in Java.
* Used **Angular HTTP** Module to **make API** calls and worked with the observables.
* Used **HTML5, JavaScript, and CSS3** for **front-end web designs** with **AJAX** to implement **dynamic web page** and implement **asynchronous refresh.**
* Integrated **Spring ORM** frameworks **Hibernate** for **database operations** with **Oracle.**
* Used **Hibernate** **Transaction Management**, **Hibernate Batch Transactions** and **Cache concepts.**
* Used **Java-based** **Restful** **services** to display in **UI** and was involved in creating & consuming **Restful web services** to expose to other applications.
* Wrote **Java** classes, reusable components, and **Java Beans** for getting **data** from **oracle tables.**
* Created complex **SQL queries** and used **JDBC** connectivity through **Oracle** to access the **database.**
* Connected the frontend and backend by J**DBC** with **Oracle**.
* Installed, **configured**, and hosted the **Tomcat app** servers and **Oracle/MongoDB** database servers on physical servers **(Linux, Windows).**
* Designed and **implemented** unit testing using **TestNG** and used **Git** for version control.

**Environment:** Java 8, Hibernate, Apache Kafka, HTML5, CSS3, JavaScript, jQuery, Angular 2, Typescript, Spring Boot, Spring ORM, TestNG, Maven, Git, Eclipse, JDBC, MySQL, Jenkins

**Client: Tvisha Technologies Inc – Hyderabad, India**

**Role: Application Developer (Java/J2EE)**

**Duration: May 2011 – July 2016**

**Project Description**: I was involved in the project by using Java, J2EE, Spring Frameworks, Web Technologies, and Web Services. The main purpose of this project is to provide Enterprise Architecture services in a managed service model to achieve effective and quick responsiveness to the changes in business and IT landscape.

**Responsibilities:**

* Worked on application development using **J2EE, Hibernate, Spring Boot, Microservices, Web Technologies and Web Services**.
* **Designed,** developed, and tested **J2EE** components like **Java Beans, Java, XML, Collection Framework, JSP, Spring and Hibernate, and Perl scripting**.
* Worked with **J2EE Design patterns** (**Singleton, Factory, DAO, and Business Delegate**) and **Model View** Controller **(MVC) Architecture** with **AngularJS** for the front end.
* Experience in **Hibernate** in the **persistence layer** and implemented **DAO’s** to access **data** from the **database.**
* Developed business logic of the application to determine the benefits issuance to the users using **Servlets, Struts and JSP**.
* Implemented **Java multi-threading** and **thread-handling** issues during application development.
* Configured **JMS server setup**, **DB** connection setup & deployed returned items in **Web Sphere Server.**
* Designed **database** and created tables, wrote complex **SQL Queries,** and stored procedures as per the requirements.
* Made the **integration** of data in several applications in favor of **JSON** documents with dynamic schemas using **Oracle database.**
* Used **RESTful** **Web Services** as an **interface** between the **interface layer** and **business logic layer** along with **JSON** to exchange data. Involved in the **Integration performance** and unit testing of the project.
* Used **Web services (SOAP)** for transmission of **large blocks** of **XML data** over **HTTP.**
* Implemented **Log4j** **framework** and customized it to meet the application requirements and **Jira** for bug tracking.

**Environment:** Java 8, Spring Framework, Hibernate, SQL, Oracle, Restful Web Service, HTML5, CSS3, jQuery,

JavaScript, JSON, XML, JSP, Java Beans, Perl Scripting, Bootstrap, AngularJS, JMS, JIRA, Log4J, Agile