**Durga Devi**

Sr. Lead Full Stack Java Developer

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**PROFESSIONAL SUMMARY:-**

* Overall 10+ yrs years of extensive IT experience in developing, design, analysis, testing of various web-based, **SOA** based and client/server applications in multi-platform environments with JAVA/J2EE technologies.
* Experience in various Agile Methodologies like Test Driven Development (TDD), SOA, SCRUM and Waterfall.
* Proficient in OOAD Technologies developing use cases, Activity Diagrams, Sequence Diagrams and Class Diagrams using case tools like Microsoft Visio and Rational Rose.
* Expertise in developing applications using Java, J2EE, EJB 2.0, Struts1.1, Spring Framework, JSP, HL7, Servlets, HTML, XML, UML, Clear Quest, ANT, NextJS, JavaScript, Web Flux ,JUnit, RxJs/NgRx, eXtreme Programming (XP) ,React JS, Change Management, Knowledge Management
* Experience in natural language processing (NLP) / Chatbot development using Google Dialog flow (API.AI), Confidential Watson, Microsoft LUIS, Amazon Lex using Python
* Experienced in other front-end technologies such as SASS, LESS, Typescript, BOOTSTRAP, Angular1, Angular1.5, Angular2, Ajax, JSON, Node.js etc.
* Experience in Java development with a focus on JPA
* Experience with Web tech integration, Ideally MyChart integration. Current Content Management System is Drupal, With react (headless) & the new white label is React.
* Expertise in developing modern, dynamic web applications using **Angular 16**, leveraging its latest features like **Standalone Components**, **Signals API**, and enhanced **Typed Forms**.
* Developed reusable, modular components using **Angular 16**, following best practices such as **component lifecycle management**, **input/output bindings**, and **RxJS for reactive programming**.
* Strongly experienced in Page Object Model to Automate Functional and Regression Testing by creating Hybrid Framework using Eclipse, Maven, Java, TestNG and Selenium WebDriver
* sProficient in JPA 2.0 and experienced in creating and maintaining database-driven applications.
* Strong in Java/J2EE design patterns and other object-oriented concepts ( OOPS ) and worked on Java 17 versions
* Excellent knowledge of Amazon EC2, Amazon S3, Amazon Elastic Load Balancing and other services of the AWS family.
* Experience in using various Amazon Web Services (AWS) Components like EC2 for virtual servers, S3 and Glacier for storing objects, EBS, Cloud Front, Elastic cache and **Dynamo DB** for storing data
* Strong knowledge of Hibernate and in using Hibernate Connection Pooling, HQL, Collections, Hibernate Caching, Hibernate Transactions, Optimistic Locking.
* Designed, implemented and tested the Spring Domain Model for the services using Core Java.
* Developed a new NodeJS middleware by integrating **AngularJS** into the new **API micro-services** through the EAN (Express JS, AngularJS, and Node.JS.) stack.
* These NodeJS apps will be within **Docker containers.**
* Implemented security and authentication concepts such as **OAuth 2.0**, and **Cryptographic algorithms**.
* Expertise in databases such as **MySQL, SQL Server, NoSQL, Mongo DB, Cassandra** and IBM DB2 databases to manage tables, views, indexes, sequences, stored procedures, functions, triggers and packages.
* Experience with **GitHub** and **AEM** and container orchestration like **Kubernetes**.
* Experience in using code repository tools - **Tortoise SVN, CVS, GitHub**, and **Visual Source Safe.**
* Converted a monolithic app to **microservices architecture** using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various **Microservices** in PCF.
* Good knowledge on client-side JavaScript framework **Angular 14/Angular 17** with NGRX to achieve MVVM design flow.
* Experience in **Micro services** development using spring boot and deployment in **Pivotal Cloud Foundry** (PCF)
* Good Exposure to Service Oriented Architecture (SOA) such as Web Services including SOAP, UDDI, WSDL, JMS (Java Messaging Service)
* Experience in developing the User Interface (UI) Applications and professional web applications using HTML 4.0/5, CSS2/CSS3, JavaScript, Angular JS 2.0, React JS, Node JS, and jQuery, AJAX, JSON, XHTML, XML and Bootstrap.
* Experience and expertise in GCP environment in particular Google Big Query, Google Pub/sub,Google Spanner, Dataflow, Compute Engine, Google Storage
* Experienced in creating the ETL jobs in Aws Glue using python programming. Also able to create the Query on the dataframes using the PySpark syntaxes and also the functions.
* Able to create the AWS cloud formation templates and also to automate the Amazon Services like AWS Glue, EMR and Lambda Functions
* Over **years** of experience working in a **SAFe** environment, helping to align multiple Agile teams with organizational goals and delivering consistent, scalable software solutions.
* Contributed to the scaling of Agile practices using SAFe across departments, improving **productivity**, **collaboration**, and **timely delivery** of complex projects.
* Experience in implementing application in SOA architecture using Web services, BEA and IBM tools and technologies
* Worked on **Angular Reactive** forms to implement complex forms and performed the validations using Form Builder both in Angular8 and **Angular 14**
* Experienced in Behavior driven development (BDD) and Test-driven development (TDD) approach using SCRUM framework under **Agile Methodology**
* Experience in design and development of, Object Oriented (OOPS), distributed OOAD based system using UML/ Rational Rose.
* Experienced in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX and Integrated Development Environments like PyCharm, Eclipse, My Eclipse, JDeveloper and RAD.
* Developed responsive web product features using React JS, SASS, on GoLang with REST.
* Backend development in Golang for Limit Monitoring system
* Well versed with J2EE Design Patterns like Business-Delegate, Session Facade, Service-Locator, Value Object, Data Access Object, Singleton, MVC 2(Struts), Front-Controller, Intercepting Filter, Composite View and View Helper etc.
* Strong experience in analysis and design using SDLC, UML, Rational Unified Process (RUP), MVC based frameworks like Jakarta-Struts using **J2EE.**
* Experience in distributed technologies, OO programming, analysis and design using XML, HTML, JavaScript, RMI, Java AWT, Java Networking, Applets, Servlets, XML, EJB, ORACLE, JDBC, and JSP on Windows and Linux platforms.
* Experience in **Angular 13** along with Bootstrap, CSS3 to create reusable components for RWD applications.
* Handled operations and maintenance support for **AWS cloud resources** which includes launching, maintaining and troubleshooting EC2 instances, and S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* Expertise with Relational databases such Oracle, PostgreSQL, SQL server and MYSQL, PL/SQL
* Experience in creating JSON scripts for Cloud Formation based on requirements and launch stacks.
* Created **AWS Security Groups** for deploying and configuring **AWS EC2** instances.
* Performed configuration, deployment and support of cloud services including **Amazon WebServices**.
* Experience in full Software Development Life Cycle (Requirements Analysis, Design, Development, Testing, Deployment and Support).
* Experience in Cross-Platform Mobile Development using **React Native + Type Script** based mobile app.
* Extensive experience in designing professional UI web applications using front-end technologies like HTML5, DHTML, CSS3, JavaScript, Angular (1.5) JS, React JS, React-native, ES5, ES6, .Net MVC.
* Novice level experience working with **React-native /Redux.**

**TECHNICAL SKILLS:-**

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| --- | --- |
| **Programming Languages** | Java 11/13/15/17, Java v1.8, Python, Typescript, C, C++, JavaScript, golang,PL/SQL, HTML (5), CSS (3), eXtreme Programming (XP) ,Groovy. |
| **Java Technologies** | JUnit, J2EE,NLP(cTakes, UIMA) EJB, JSF, Servlets, Portals, JSP, HL7, FHIR,RMI, JMS, JDBC, JPA, Swing, JavaBeans |
| **Scripting** | jQuery, JavaScript, Shell Script, Python |
| **Frameworks** | Spring (MVC, Hadoop, ORM, Web Service, DAO, WebFlux ,Social, Security, etc.), Hibernate, Bootstrap, Struts, Tapestry, Orbo Graph, NextJS,Tiles, DWR (Direct Web Remoting), Apache Camel, Spring Framework, Hibernate, Spring |
| **IDE** | Eclipse, IntelliJ, NetBeans, IBM Rational Application Developer (RAD) |
| **Web Technologies** | HTML/HTML5, CSS, SSL, XML, AJAX,AI tools, GraphQL, Web Services, REST |
| **Databases** | Oracle, MySQL, PostgreSQL |
| **Database Tools** | SQL Developer, TOAD. |
| **Cloud** | Google Cloud Platform (GCP), AWS,EKS, Lambda, Amazon Direct connect, Amazon Cloud Watch and ELK, S3, EC2, S3, RDS, EBS, ECS ,Elastic Load Balancer. |
| **Build Tools** | Gradle, Maven, ANT, Docker |
| **Other Tools** | JIRA, Confluence, Bam, Blaze Advisor 6.5.3/6.8/6.10.1/7.2, Eclipse 3.6.2,Puppet, Chef, boo, Sonar, Fisheye |
| **Version Control** | Git, SVN, CVS, VSS (Visual Source Safe) |
| **Operating Systems** | Windows (XP), 7, 8/8.1, 10), Linux, Unix |
| **UI Automation Testing:** | Selenium WebDriver, Protractor, Cucumber BDD, AppiumTesting Frameworks TestNG, Junit |
| **SOA** | ASLB (Aqua Logic Service bus), Web Sphere ESB |
| **Technology** | ReactJS, jQuery, Node.js, Apache Ajax, Angular 6/8/12/13/14, Bootstrap, AWS cloud watch, Microservices, AWS lambda, AWS S3 |

**PROFESSIONAL EXPERIENCE:-**

## Client: Bank of America, Remote Jan 2021 to till date

## Role: Sr. Full Stack Java Developer

**Roles & Responsibilities:**

* Implemented Agile (Scrum) Methodology that includes daily scrum meeting with team, sprint planning and estimating the tasks for the user stories.
* Migrating existing application into micro services architecture using Rest APIs, spring boot
* Involved in designing User Interface (UI) applications and professional web applications using JavaScript, AngularJS, Bootstrap, JQuery, HTML, DOM, XHTML, NextJS, JSON and AJAX, React JS.
* Built Single page web application using JavaScript Frameworks like Angular 12/14/17, ReactJS.
* Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, Angular and Bootstrap.
* As we had the organizational limitation for the lambda function, the FTP is timing out after limit which left us using the AWS GLUE and EC2 Instances
* Analyzes design and determines coding, programming, and integration activities based on general objectives and overall architecture of product or solution using Java17
* Used Level 7 (HL7) standards for data sharing.
* Extensively used JAVA OOP’s concepts for developing Automation Frameworks using Eclipse, Maven, Selenium WebDriver and TestNG.
* Created RESTful services like Dropwizard framework for various web-services involving both JSON and XML.
* Create and maintain highly scalable and faulttolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation
* Developing a generic solution with C#, SSIS and SQL Server to sync the legacy data with 13-month retro processing to QNXT.
* Created tasks for updating tsconfig tracked files based on glob, tslinting, and compiling typescript files.
* Implemented Monorepo architecture to manage multiple related projects efficiently, improving collaboration and code reuse among development teams.
* Participated in the design, writing code, development, and implementation of Decision Management Systems that use Blaze Advisor rules technology to support Consumer Banking business functions
* Orchestrated and migrated CI/CD processes using Cloud Formation, terraform templates and Containerized the infrastructure using Docker setup in Vagrant, AWS and Amazon VPCs.
* Created Terraform modules to create instances in AWS & automated process of creation of resources is AWS using terraform. Developed build workflows using Gradle, Gitlab-CI, Docker and Openshift
* Also Used Quartz Scheduler, to run the program very often and hit the database and display the results in JSON format
* Implemented **Angular Router** for navigation and lazy loading, and integrated state management tools like **NgRx** to handle complex application state across different modules.
* Utilized **Angular 16 Typed Forms API** to create robust forms with enhanced type safety and validation rules, improving code quality and reducing potential runtime errors.
* Build, train and deploy ML models on AWS with Amazon sage maker
* Automated the ML model building process by building Data Pipelines further integrating it with Data cleaning process
* Involved in successful migration of C based architecture to GO (Golang).
* Automated Data Integrity testing using SQL, JDBC, and Selenium
* Used HL7 version 2 messages, HL7 version 3 messages, and IHE protocols such as XDS .
* Developed Rest Api to process the data from DB to another Rest Service.
* Implemented Monorepo structure using Git to manage multiple microservices and shared libraries effectively.
* Implement RESTful APIs for integrating cTakes functionalities into existing systems.
* Develop and deploy the outcome using spark and Scala code in Hadoop cluster running on GCP.
* Developed and maintained web applications using Java and Tapestry framework
* Wrote REST APIs in java 17 to support internalization, and apps to help our buyer team visualize and set portfolio performance targets.
* Setup GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency
* Assisted in designing and implementing data integration processes with Snowflake.
* Experience in cloud services using Amazon Web Services (AWS) and Google Cloud Platform (GCP).
* Integrated Tapestry framework into existing applications to enhance user experience
* Building a Command line tool to interact with Restful API using in Golang
* Worked with Angular 12 and typescript as part of migration from Angular and vanilla javascript to Angular 14 and React
* Performed Data Driven Automation Testing using SQL, JDBC connection, and Selenium WebDriver.
* Designed and developed RESTful APIs for exposing UIMA-based text processing services.
* Application Project Loan calculation using PostGreSQL, Vb.net, ASP.net, MS Visio 2010, ireport.
* Designed and developed database-driven applications using JPA and Hibernate, ensuring data consistency and integrity.
* Integrated GCP services, including Google Cloud Storage, Cloud SQL, and Cloud Pub/Sub, into the application architecture.
* Implemented Micro Services using Spring Boot, Spring Cloud, and Spring Micro Services and enabled discovery using Netflix Eureka Server.
* Performed Data Driven testing using Java, Maven, Selenium WebDriver, TestNG and Apache POI. Used Page Object Model to Automate Functional and Regression Testing by creating Hybrid Framework using Maven, Java, TestNG and Selenium WebDriver.
* Created a End to End Framework for Acceptance Testing using Cucumber, JDBC, Maven, WebDriver, Java and TestNG.
* Used Selenium Grid for cross platform and cross browser testing by running the Test Scripts on various virtual machines
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function, and configured it to receive events from your S3 bucket. Used Java8 features like stream and Lambda expressions.
* Strong knowledge of cloud-based data warehousing concepts and Snowflake architecture.
* Created SQL queries for diverse usage ensured integrity of data with frequent restoration and back up using pgAdmin 4.1, PostGreSQL.
* Implemented RESTful APIs for easy access to cTakes services.
* Developed Single Page applications using AngularJS using components, directives using TypeScript.
* S**tand-alone Components**: Utilized **stand-alone components** in Angular 16 to minimize dependencies on modules, improving the modularity and scalability of the application architecture.**Signals API for Reactive UIs**
* Leveraged **Angular 16’s new Signals API** to build **reactive user interfaces**, improving component reactivity and responsiveness.
* Implementing MVC Architecture using Spring Framework, customized user interfaces. Used Core Java, and Spring Aspect Oriented programming concepts for logging, security, error handling mechanism
* Created functions and assigned roles in AWS Lambda to run python scripts, and AWS Lambda using java to perform event driven processing.
* Collaborated with cross-functional teams to gather and analyze business requirements for EDI projects.
* Developed automation scripting in Python to deploy and manage Java SE11 applications across Linux servers
* Experience integrating RESTful services (API’s). Used JSON for data transfer between front end and back end, used SQL Queries to interact with Oracle database
* Management. Advised C-level business heads and technical team members on AI, cloud, and analysis methodologies.
* Conducted code reviews, unit testing, and documentation to ensure high-quality deliverables.
* Designed and developed data-driven applications that integrated with Snowflake data warehousing solutions.
* Developed and maintained JPA-based Microservices for a cloud-native architecture.
* Implemented Kotlin with Android content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications
* Developed Single Page applications using AngularJS using components, directives using TypeScript.
* Have experience with AWS LAMBDA which runs the code with response of events.
* Developed request handlers, .JSP’s and Data Objects in Core Java.
* Experience writing apps from scratch in Kotlin with Android studio.
* Provided technical support and troubleshooting for UIMA-based components in production environments.
* Highly proficient in working with TK8, OpenShift, and Rancher
* Consolidate and replace core business engines (legacy systems) for functions such as Collections, Customer Maintenance, and Account Management
* Implemented and integrated EDI solutions to streamline data exchange processes with external partners.
* Designed and developed custom components and adapters for EDI integration using BizTalk Server.
* Developed ETL processes to extract, transform, and load data into Snowflake from various sources.
* Worked on Docker containers for various internal application and deployed on ICP k8s environment.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes.
* Configured with gulp.js to test the Typescript with TSLint.
* Championed AI technologies, like ML and NLP; Amazon Glue; Jupyter Notebooks; Amazon SageMaker; AWS Deep Learning AMIs for deep learning in the cloud; Blazing Text for NLP tasks, like machine translation, sentiment analysis, named entity recognition, and other; and AWS SageMaker with TensorFlow on Apache MxNet.
* Worked on Web Services using Java SE11 API for XML, JSON Services (JAX RS) and worked on the build, deploying RESTful web services
* Implemented Snowflake-specific SQL queries to interact with data stored in Snowflake warehouses.
* Involved in designing and creating the Database Tables using PostgreSQL Database.
* Developing react components which communicate with redux as session management and ajax calls to send and retrieve data.
* Used Kafka and Storm for real time data injestion and processing
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by angular
* Integrated third-party EDI solutions into existing applications to facilitate electronic transactions.
* Worked on migrating legacy applications to incorporate Snowflake data warehousing.
* New library development with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry
* Developing Independent services using REST with JAX-RS which gets admin activities from Flex react component that persist in DB and establish connection between frontend and backend and store information in DB2.
* Created Front-end Application using HTML5, CSS3, JavaScript, Typescript Angular 8/10/12, Node JS, Twitter Bootstrap and JSON.
* Designed and implemented EDI maps and schemas for data translation and transformation.
* By connecting to the Master node of the EMR cluster the data is sqooped into the s3 bucket as the source data for the AWS Glue ETL job
* Involved in developing the core base Classes and designed the packaging needed for the project
* Deploy and configure daily iterative builds of Java SE11 applications into Tomcat server environments for multiple feature deployment teams
* Worked on reading and writing to/from the files by using newly introduced methods in Java 11
* Implemented the Kotlin with Android studiofor smooth functioning of the location based servicesGPS, Bluetooth on Android Leveraged cutting edge technology like Kotlin, Android JetPack, Retrofit, Navigation, ViewModel,Room, Actions
* Design distributed systems and troubleshoot in upstream Kubernetes
* Designed and developed modules using Netflix Hystrix to provide Resiliency to the services that transmit order information to different systems
* Implemented Web Services (WSDLs) using JAX-WS and also implemented REST services by Golang with micro services architecture
* Worked closely with business analysts to understand EDI requirements and ensure compliance with industry standards.
* Populated HDFS and Cassandra with huge amounts of data using Apache Kafka.
* Good knowledge of databases like MongoDB, mysql & postgre SQL
* Worked with the combination of Oracle Service Bus (OSB), XQuery/XPath, WebLogic and Java web services
* Implemented Microservices into existing system architecture. Developed Microservices business components and RESTful service endpoints using Spring Boot
* Be responsible in transforming the data which the required by the Salesforce Marketing Cloud. Using the AWS Glue to transform the data and stage it in the Amazon S3
* Using the Crawler to create the database catalog in the AWS Glue which is used to create the database schema.
* Used Hibernate to store the persistence data into the PostgreSQL database and wrote HQL to access the data from the database
* Involved in writing the front-end code for the application using Angular 8/12/15/17.
* Write quality, maintainable code in HTML, CSS (LESS and SASS), JavaScript, JQuery, and Ajax.
* Expertise in Client-Side Technologies such as HTML, DHTML, EXTJS, HTML5, JavaScript, XHTML / XML /CSS3.
* Involved in the creation of interface to manage user menu and Bulk update of Attributes using Angular 8/10/12, Node.js and Bootstrap.
* Collecting and aggregating large amounts of log data using Apache Flume and staging data in HDFS for further analysis
* Building cloud Microservices and implemented back-end using Spring Boot
* Involved in building an application service layer using Angular JS Dependency Injection.
* Performed client-side validations using JavaScript functions to implement various functionality. Handled the server-side validations by using the validate framework.
* Working on prototyping and development of JavaScript user interface.
* Highly used **Angular 8/10/12/13/14** Router to build single page applications for navigation through the different status and multiple modals.
* Manual conversion of numerous Oracle objects to PostgreSQL objects.
* Developed, debugged and optimized PostgreSQL queries for reporting and app development.
* Real time streaming the data using Spark with **Kafka**.
* Created REST API’S using **Spring Boot**, **Microservices**
* Integrated application with Spring Security for form-based authentication and authorization by used spring security JSP tags to provide UI level spring security.
* Used **Angular 6/8/10** by consuming Restful web services.
* Extensive experience on using Angular directives, working on attribute level, element level and class level directives to perform DOM manipulations.
* Responsible for checking cross-browser compatibility and hence worked on different browsers.
* Created AJAX requests to the REST service using Angular JS built in http and resource objects.
* Built applications using **React JS** with ES6 which allowed us to render pages on both the client and server using the same codebase, developed web and mobile applications using ES6 features and frameworks such as React, React Native and Redux.
* Pleasant Experience in React.js for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
* Built a new NX angular app called Planning-tool from ground up using Nx tooling for scaffolding.
* Implemented Web Services (WSDLs) using JAX-WS and also implemented **REST services** by Golang with **microservices architecture**
* Worked on AWS Script Conversion Tool (SCT) in converting Oracle schema to PostgreSQL schema.
* Worked on data migration (full load and change data capture (CDC)) to AWS Amazon Aurora/ RDS with PostgreSQL compatibility using Data Migration Services (DMS)
* Thorough knowledge of **Microservices architecture** and experience in implementing several design patterns.
* Built Dashboard Tabs utilizing meridian library an interface to many applications under Nx Monorepo.
* Used Babel as a transpiler, WebPack as the module bundler in React.js and Redux.
* Developed web presentation layer using HTML and CSS according to internal standards and guidelines.
* Worked in **React JS** for creating interactive UI's using One-way data flow, Virtual DOM, JSX, **React** Concepts

**Environment:** Java/J2EE, Azure, Spring Framework, Netflix, Java 11/15/17, eXtreme Programming (XP) ,Eclipse4.2 Juno, AngularJS, Apache, Kafka, Oracle, FACETS ,NLP, JIVA, HL7, QNXT Selenium , cTakes, QA tester, UIMAAngular 10/12/14/15/17, React JS, Node JS, J2EE, PostGreSQL, Tapestry 5.3,Server, PostgreSQL, Typescript, NextJS,TestNG, Junit,Core Java, Grafana, Jasmine, Karma and Cucumber, JDK 10/11/13,HTML5, Java Script, CSS 3, Spring framework 3.x, Snowflake ,Oauth 2.0, Amazon Lambda, AWS Glue,Spring Boot, WebFlux, RabbitMQ ,Hibernate 3.x, JMS, Micro Services, Web Services

## Client: Gainwell Technologies ,TX Sept 2020 to December 2020

## Role: Sr. Software Engineer

**Roles & Responsibilities:**

* Developed new architectural design solutions, functional and technical requirement specifications, use cases, non-functional requirements and provide expertise to technical and functional efforts, teams, and projects with full stack development.
* Enabling customers to better manage software development, deployments and infrastructure with tools such as Chef, Jenkins and **GitHub.**
* Defined dependencies and plugins in Maven pom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags.
* Configured local Maven repositories and multi-component Ant projects with Nexus repositories and scheduled projects in Jenkins for continuous integration.
* **Expertise in GitLab CI/CD Pipelines**: Designed, implemented, and maintained **GitLab CI/CD pipelines** to automate the build, testing, and deployment processes, ensuring faster and more reliable software delivery.
* **Continuous Integration/Continuous Deployment (CI/CD)**: Managed **GitLab CI/CD** configurations for various environments, improving **code quality** and **release automation** through unit, integration, and end-to-end testing.
* **Version Control**: Extensive experience in using **GitLab** for version control, managing source code repositories, branching strategies (GitFlow), and collaborating with cross-functional teams on large-scale projects.
* Resolved crucial issues related to Linux server, Puppet and monitoring for Dev environments.
* Creating customizing Build Definitions and implementing Continuous Integration & Gated Check-in Builds in **TFS.**
* Making reproducible framework situations for the micro services engineering. Created a Request for Proposal (RFP) micro service providing **Restful API** using **Spring MVC** and **Spring Boot.**
* Deployed Spring Boot based micro service Docker Container using Amazon EC2 Container Services using AWS Admin Console.
* Developed various screens for the front end using Angular 6/8/10 and used various predefined components from NPM (Node Package Manager). Used Node Cron package to schedule periodically executable jobs.
* Enhanced legacy application by building new components in Angular and typescript.
* Developed single page applications using Angular, Typescript, web pack and grunt.
* Developed test data for NLP/ Chatbot, for Retail Banking Domain
* Created a dialog flow for chatbot using NLP.
* Created and managed CI / CD and Docker deployment pipelines for custom application images in **AWS.**
* Hands-on experience working with Continuous Integration (CI) build-automation tools such as Jenkins along with Build Plugins like **Maven, Gradle** and **Apache Ant.**
* Used React JS to create custom components for data manipulations and to display data in company Standard format.
* Styled the pages using SCSS pre-processor and CSS Tachyons and build highly responsive interface and highly readable classes to use little CSS files.
* Web Application Development using Client Script design technologies like AngularJS, Node.js and other front end libraries and frameworks.
* Implemented MVC architecture application using spring and created Lambda function in AWS using Spring Framework.
* Deployed Spring Boot based Micro services Docker containers Using AWS EC2 services and using AWS admin console.
* Diverse experience utilizing tools in N-tier and Micro services architecture applications using Spring Boot, Spring Cloud config, Netflix OSS components (Eureka, Zuul, Hystrix), AWS, Cassandra, My SQL, Restful Web Services.
* Used Spring-Cloud to bring up an instance of Eureka and created set of cloud micro services.
* Extensively used rxjs observables to the data from the selectors.
* Involved in using ReactJS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used rxjs operators like switch map, merge map, fork join, combine etc. to program some business logic in Effects and to bind data to forms
* Created NLP/Chatbot for customers to provide their account details ands all other various types of business information through Web channel, facebook and skype channels
* Construct Puppet Modules/Functions to Support Solaris IPMP (IP Multipathing) on **Solaris.**
* Worked with Opscode CHEF with expertise in Amazon's cloud especially CHEF solo and bootstrapping.
* Using **Dockers** in Environment variables, Configuration files, Option types and **Strings & integers.**
* Actively participated in the automation effort. Wrote security & web architecture provisioning scripts for Opscode Chef, in Ruby.
* Designed new UML diagrams through Use Case Diagrams, Class Diagrams, Sequence, components, activity.
* Identified scenarios and strategies for performance testing and collaborate with test team on execution.
* Created SOA systems architecture and high‐level design for scalable and high‐performance enterprise applications.
* Established relationships and lead/direct technical development teams for SOA‐based design, architecture,development, and testing.
* Created Architecture enhancements for Distributed JEE applications and legacy integration with Mainframes applications.
* Involved in the application development using Spring Core, MVC modules and Java web-based technologies: such as, Servlets, JSP, **Java Web Service** (REST/SOAP based), WSDL.
* Worked on Backbone views with declarative event handling which connects it all to the existing API over a RESTful JSON interface.
* Used **Microservice architecture,** with Spring Boot-based services interacting through a combination of REST and MQ and leveraging AWS to build, test and deploy **micro services.**
* Worked on developing frontend interface using Oracle Pl/SQL, HTML, Java Script, on Windows and Linux platforms, as the back end data repository.
* Developed the HTTP based Web Service Client which calls up the existing web service to get the application related data which comes in XML format.
* Used **Hibernate** - Object Relational Mapping Tool for the backend data persistency.
* Created a spring container file for configuring Hibernate and to perform Dependency injection among all bean class involved in business logic operation.
* Performed estimation and capacity planning work with the project manager and product development teams to create and implement projects.
* Performed Data Analysis and extensive Data validation by writing several complex SQL queries and Involved in analyzing the data.
* Implemented MicroServices architecture using Spring Boot for making application smaller and independent.
* Executed all the web service test scenarios by using **SOAPUI**.
* Automated test cases with SOAP UI and **Groovy scripting.**
* Developed front end web pages using JSP2.0, JSON, **Angular JS, CSS, JavaScript.**
* Developed Maven build scripts to automate the deployment to various **Web Servers.**
* Developed WebSphere Portal products to give users a single point of access to the applications, services, information, and social connections they need.

**Environment**: UML, OOAD, Agile/SCRUM, Core Java, GOF Patterns, SOA Patterns, RSA, MS Visio, Java 7, JSP, Droplets, jQuery,MySQL, Angular JS, JSON, JDBC, Struts1.1, XML, Tomcat, EJB, Angular 6/8/10 , JMS, Pl/SQL, Linux, Maven, XML, Web Services (SOAP, Rest full), Soap UI, Splunk, Jenkins.

## Client: ATI Speciality Materials , Remote Aug 2018 to Aug 2020

## Role: Sr. Full stack Java Developer

**Roles & Responsibilities:**

* Used REST Client and POSTMAN to test the rest-based services and used JUnit and Mockito to test the middleware services. Created Hibernate mapping files, sessions, transactions, Query and Criteria to fetch the data from SQL based schema
* Took part in setting up the routing configuration using **Angular 6/8/10** router for various views and subviews.
* Worked with Angular 6/8/10 to generate various components, routes, services, and pipes and structured the application code.
* Defined Hibernate Named Queries for performing batch while defined Criteria Queries for Microservice.
* Hands-on experience on developing AWS cloud formation templates and setting up Auto scaling for EC2 instances and involved in the automated provisioning of AWS cloud environment using Jenkins and chef
* Developed various screens for the front end using Angular 6/8/10 and used various predefined components from NPM (Node Package Manager). Used Node Cron package to schedule periodically executable jobs.
* Enhanced legacy application by building new components in Angular and typescript.
* Developed single page applications using Angular, Typescript, web pack and grunt.
* Web Application Development using Client Script design technologies like AngularJS, Node.js and other front end libraries and frameworks.
* Setup Environment and developed the GUI using ExtJs.
* Extensively designed and developed UI using custom ExtJs components.
* Used spring and Hibernate for Data Access implementation Support, resource management and transaction strategies.
* Involved in developing the application level flow by using Action Servlets.
* Involved in developing the various j2ee interfaces with the business partners.
* 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
* Used Maven, Gradle as build tools on Java projects for the development of build artifacts and test J2EE and J2SE applications to a variety of Web Sphere platforms - BPM, MQ, ESB, Portal etc. and conducted SVN to GIT migration.
* Created branches, performed merges in version control systems **GIT, GitHub, SVN, Stash.**
* Experience in writing **Ansible** playbooks to deploy the applications in multiple **nodes.**
* Worked on Docker container snapshots, attaching to a running container, removing images, managing containers to setup environment for development and testing. Used Artifactory Pro for Docker Registry to store images. Deployed spring boot applications using **Docker.**
* Moved existing **Angular4** controllers to Angular6 components for more responsive and less dependency.
* Used NPM for installing required node modules and other published Angular NPM modules.
* Updated the application with new features of **Angular 6/8/10.**
* Installed and configured **Hadoop MapReduce** HDFS Developed multiple **MapReduce** jobs in java for data cleaning and preprocessing.
* Developed a custom File System plug in for Hadoop so it can access files on Data Platform.
* This plugin allows **HadoopMapReduce programs HBase Pig** and Hive to work unmodified and access files directly.
* Experienced in handling large datasets using Partitions, Spark in Memory capabilities, Broadcasts in Spark, Effective & efficient Joins, Transformations and other during ingestion process itself.
* Developing applications (RESTful API’s) like ADX, F5 load balancers, Newton lite, RPTS using the Python and Flask framework.
* Creating the Automation scripts using **Python**, Opencafe framework for testing various applications as well as the integration of these applications (API’s &UI’s) based on REST calls using Selenium and Python, phrasing the JSON responses.
* Used **Spring Boot**, Spring Security to **build Microservices** and deployed to **AWS** cloud
* Developed internal application using Angular.js and Node.js connecting to **Oracle** on the backend
* Requests were processed using the powerful Scala collections and persisted to the database in synchronous fashion.
* Implemented persistence layer using Hibernate that uses the POJOs (which do not have the business processes) to represent the persistence database.
* Wrote and executed various MYSQL database queries using **Python MySQL** connector and MySQL dB package
* Used various core concepts such as Multi-Threading, Exception Handling, Collection API's to implement various features.
* Created a framework for all the backend calls and used **JAX-B** for customized **XML** parsing.
* Created typescript reusable components and services to consume **RESTAPIs** using component-based architecture using **angular 8.**
* Worked on some of the new features of **Angular 8/10**  like new if else syntax, ng-templates, and form validators. implemented client-side Interface using **Angular 8** and **Node.js** to structure JavaScript code in an **MVC**
* Working with Jenkins, CI/CD pipeline to integrate and deploy the code in to the PCF Server.
* Collaborated on responsive front-end development using React, Node.JS, JavaScript and coffee script with Dev0ps development principles.
* Develop SQL scripts that could be embedded in processing business and engineering data to meet Compliance rule specifications using **Oracle** SQL developer as a SQL client
* Develop Complex Business processing rules and Engineering data in Eclipse IDE using Enterprise Java Beans (EJB), **Spring Boot** framework, SQL, JDBC, Rest web-services and **Micro Services** in JAVA that meet technical design and business specifications.
* Involved in design of **JSP's** and **Servlets** for navigation among the modules.
* Created several custom tags for **JSP** for maximum re-usability for user interface components.
* Used **JDBC** calls in the **JSP** to access MySQL Database, Struts Action Servlet to route the request to corresponding Action Classes.
* Involved in the development of **DOM** parsing, **SQL** procedures and in development of **IVR** in **VXML**, **CCXML** by using **Java** and **JSP**.
* Used Spark-Streaming APIs to perform necessary transformations and actions on the fly for building the common learner data model which gets the data from **Kafka** in near real time and Persists into **Cassandra.**
* Experienced in performance tuning of Spark Applications for setting right Batch Interval time, correct level of Parallelism and memory tuning.
* Designed and developed the REST **based Microservices** using the **Spring Boot**
* Performed unit testing using **JUnit** framework and for testing Entities and the backend services.
* Created **RESTFUL** webservices for refreshing the cache memory of the data.
* Developed **Python** scripts to automate the deployments to the WebSphere application server.
* Used Rational Clear Case and Clear Quest for version control and change management.
* Responsible for RESTful back-end and moderation system using MongoDB with Node and Express.
* Developed a free-tier Dockers dashboard for the web application using React.js.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Worked with Middleware using Message-driven by **POJO** (MDP) after creating QCF, Queue on WebSphere server, and using **JMS** template for asynchronous functionality for multiple users.
* Allied, configured and hosted the Oracle, Tomcat app servers and Cassandra DB servers on physical servers (Linux, Windows), and Amazon AWS virtual servers (Linux).

**Environment**: Java 9, STS, Tomcat 7, Gulp, Spring Tool Suite, Spring, Spring Boot, Hibernate, Core Java ,MongoDB, RESTful Web Service, Oracle, HTML5, CSS3, jQuery, Angular LS, NLP, Java / J2EE, Angular2, Angular4, Node JS, React JS, Redis, JSP, Struts, ,JMS, Jenkins, Agile, JIRA tool, Selenium, Rabbit MQ, Kubernetes, Log4j, Maven, AWS, Cassandra.

## Client:WellsFargo , Nc April 18 – July 18

## Role: Sr. S/w Engineer

**Roles & Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development, and Testing of the application using AGILE methodology (SCRUM).
* Developed the web interface using HTML5, CSS3, JavaScript, jQuery, AngularJS, and Bootstrap.
* Designed Java Components and integrated using spring framework with Hibernate Object/Relational persistence mechanism.
* Auto-suggest service implementation using Nodejs& Elastic Search
* Hosted and tested the application in AWS servers before publishing it in actual production environment.
* Used Structs Framework in the application, which is based on MVC design pattern
* Involved in writing Spring Configuration XML, a file that contains declarations and business classes are wired-up to the frontend managed beans using Spring IOC pattern.
* Implemented the application using Spring IOC, Spring MVC Framework, and Spring Batch and handled the security using Spring Security.
* Generating Scala and java classes from the respective APIs so that they can be incorporated in the overall application.
* Developed REST API's using Spring MVC and Spring boot , hosted all micro services on PCF
* Created Data tables utilizing PyQt to display patient and policy information and add, delete, update patient records.
* Coded, implemented and integrated complex software programs using
* technologies such as Java and Kotlin in Android; troubleshot and debugged new or existing software programs
* Writing entities in Scala and Java along with named queries to interact with database.
* Worked with **NPM** commands and using package. JSON for managing dependencies and dev-dependencies of Node.js applications.
* Wrote a Python module to connect and view the status of an Apache Cassandra instance.
* Hands on experience in developing **MERN. Full stack** web application using Graph Ql with Apollo Server
* Graph Ql is query language for APIS instead of using RESTFUL API
* Significantly improved report generation efficiency by caching, reusing and improve the security level of data.
* Worked with java libraries to access AWS facilities as Simple Storage service, Simple queue service and Dynamo DB.
* Validated Customer, Account, Address and Order entities with Drools rules engine.
* Involved in integrating **JAX-RS** into Spring Boot application.
* Programming Languages/Technologies: PHP, JavaScript, Shell Scripting, GoLang, XML, HTML5, CSS3 .
* Deployed the Docker image of services building Docker file and build a continuous delivery pipeline for containers using **AWS Code Pipeline** and **Amazon ECS.**
* Added the required jars to the drools files, build the package and deployed it on the JBoss server.
* Sending requests and responses toMicroservices through **REST/HTTP.**
* Developed server-side software modules and client-side user interface components deployed entirely in Compute Cloud of Amazon web Services ( AWS**)**
* Designed and developed **DAO** layer with Hibernate standards, to access data from **SQL Server**.
* Responsible for building scalable distributed data solutions using **Datastax** Cassandra.
* Developed the persistence layer using **Hibernate Framework**, created the **POJO** objects and mapped using Hibernate annotations and Transaction Management.
* Expertise in Lift and Play frameworks for leveraging Scala actors to support more concurrent requests than is possible with thread per request server.
* Used **JIRA** for bug tracking, issue trackingand project management.
* Used **GIT** as source control management giving a huge speed advantage on centralized systems that must communicate with a server.

**Environment**:Java, Agile Methodology, Structs, Spring IOC, Spring MVC, Drools, Core Java ,Spring Boot, Spring Cloud, Spring Batch, Spring Security, HTML5, CSS3, Node.js, Bootstrap, AngularJS, JSTL, jQuery, AJAX, AWS EC2, S3, Micro Services, Hibernate, Restful API, JIRA, RabbitMQ, MAVEN, JUnit, Log4J, GIT.

## Client:TIAA CREF, TX Jan 17 to April 18.

## Role: Full Stack Java Developer

**Roles & Responsibilities:**

* Developed the front-end by doing hands-on coding using semantic markup, HTML, XHTML, CSS, JavaScript and other front-end technologies as required by the program with a focus on usability.
* Developed complex web, middleware, and back end systems in Python, SQL and Perl for Linux and Windows.
* Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.
* Designed Web pages by HTML and the query processing’s done with the help of Servlets and JDBC.
* Performed Client-side validations using JavaScript like user validations etc.
* Producing, modifying and maintaining websites and web applications.
* Created computing and data resources on AWS using EC2. Installed **Pivotal Cloud Foundry** on EC2 to manage the containers created by PCF.
* Hands-on experience to design and code in various technologies such as Python and SQL.
* Implemented Multithreading for handling multiple requests and for high performance.
* Performed server migration using cloud services like AWS from physical to cloud environment.
* Used ANT built tool for compiling and generating a war file.
* Developed Custom XML Parser for parsing large XML files and update the data to the database using SAX based Parser.
* Handled exceptions that arise during the execution of a program using Exception handling.
* Followed agile software development practice paired programming, test driven development, and scrum status meetings.

**Environment**: HTML, XHTML, CSS, Java Script, JDK 8/9, J2EE, Servlet, XM, Oracle, Web Sphere Application Server.

## Client: Wellsfargo , Nc Jan 2014 to Nov 2016.

## Role: Sr. Java Developer

**Roles & Responsibilities:**

* Responsible for designing the application by using the JSF Framework.
* Designed the system using Rational Rose with UML notation.
* Utilized the various J2ee Design patterns to develop the Business modules based on the required functionality.
* Implemented the SaaS ERP (Software as a Service) for the Application Migration and integrating different Data Systems in Genesis.
* Migrated Oracle database tables in the Process of Application Migration in SaaS environment.
* Developed the interfaces, packages as business model components of the Web Application.
* Developed the Java Filters for the application to maintain the security constraints.
* Developed the GUI using JSF Tiles.
* Involved in developing the application level flow by utilizing Java, JSF, and Servlets.
* Involved in developing the various j2ee interfaces with the business partners.
* Responsible for developing the Data Access code which will be utilized by j2ee components.
* Designed and Developed the XML scripts for the Java Filters and beans to interact with the service classes.
* Involved in the deployment of web components and EJB’s on web logic application server and specifying the runtime deployment tasks using the admin tool.
* Responsible for developing the service facade classes using the JPA.
* Involved in developing the Patient Module web services using the XFIRE framework
* Responsible for deploying the services in the BEA Service Bus and configuring the wsdls accordingly to change the binding information required by the service bus
* Involved in testing of application on various levels like integration and System testing by utilizing various methodologies.
* Part of the Production Support Team and responsible for Bug Fixing.
* Responsible for enhancements and modifications of the existing applications.

**Environment**: Java2.0, J2EE, SaaS, JSF, EJB, Servlets, JDBC/SQL, spring, SOA, Webservers, WebLogic10.0x, ASLB (Aqua Logic Service bus), ARAD6.x, ILOG, XML, ORACLE9i, UNIX