Venkateswara Rao

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Professional Summary:

* Around **8+ years** of experience in all stages of SD life cycle, referring to **Design, Development, Implementation** and **Testing** of web based applications.
* Experience in Developing **User Interface (UI)Rich Web Applications** using Front End/User Interface **(UI)** Technologies using **HTML5, DHTML, CSS3(SaaS, LESS) frameworks, Bootstrap, Java script (ES5 & ES6), jQuery, AJAX** by managing all facets and pipelines of application.
* Good Understanding on using various **XML** technologies like **XPath, XQuery, XSLT, XSD, SAX, DTD/Schemas, DOM and JAXB.**
* Worked with **React.js Virtual DOM** and **React views**, rendering using components.
* Experience in workflow implementation using **CAMUNDA** BPMN processes implementation.
* Developed multiple **Angular 4.0 components** which are compatible with latest versions of **typescript, Angular CLI.**
* Good understanding **Core Java SE8** concepts like **Streams API, Time API, Functional Interfaces, Multithreading, Transaction Management, Exception Handling, Lambda functions, Generics and Collection API.**
* Automated the deployment process by integrating code repository using build pipeline **Jenkins, Bamboo** and **Go CD** for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises.
* **Experience with JAVA 1.8 features like lambda Expressions, Streams, functional interfaces, collectors,default methods, type interfaces, foreach.**
* Implemented **Pivotal cloud foundry (PCF)** to deploy **IAAS** or **PAAS** and to run own applications.
* Experience developing applications using MVC and MVVM client-side JavaScript frameworks such as **Angular 8.0, Angular JS** to create dynamic web applications, **Backbone JS, Handlebar JS.**
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TTD), Incremental** and **Iterative methodology, Pair Programming, Agile Development & Testing using Software Development Life Cycle.**
* **Designed and implemented CAMUNDA workflows to automate EDA communication process for resource maintenance in cloud environment.**
* Extensive experience in developing web applications using **HTML5, XML, XHTML, DHTML, CSS, CSS3(Sass, Less), Bootstrap, JavaScript, DOM, jQuery, Ajax, JSON** and **JSP.**
* Expertise in using JavaScript build tools and task runners like **Webpack** for **React** and **Angular 8.0, Grunt, Gulp** for Angular, Browser for packaging **NodeJS** modules for browsers.
* **Created CAMUNDA workflows for multiple use cases which include instantiation, health check and configuration of PNF devices on cloud environment.**
* Excellent knowledge of **JavaScript, CSS3/CSS, HTML5/HTML, Bootstrap, Typescript** and their behaviour on different browsers. Expertise in React JS framework to develop the **SPA**.
* Experience in Spring Framework such as **Spring IOC, Spring Boot, Spring Cloud, Spring DAO, Spring ORM, Spring MVC, Spring Resources, Spring JDBC, Micro-services.**
* Experience with **SOA, Web Services, SOAP, SOAP UI, RESTFUL, WSDL** technologies.
* Coding of these new procedures and enhancements utilized Embedded C, PL/SQL, UNIX Shell scripts (KORN, and PERL), Informix utilities and attributes, Stored Procedures and Triggers, etc
* Used **Docker Container** to address every application across the **hybrid cloud and Docker** for better collaboration and innovation.
* **Used Lambda Expressions for communicating between business layer and database and Coded in java1.8**
* Required the use of a UNIX Developer to work in Production Support as a Batch Architect utilizing UNIX Shell Scripting, Confidential Scheduling System, SQL, Stored Procedures, and Triggers.
* **1-year experience working on AWS(EC2, SQS, S3) and 6 months experience working with GCP(Appengine, PubSub, Dataflow & Datastore)**
* Strong knowledge in JavaScript using **Clouser e, Promise, inheritance, AJAX** and experience in both **Object-Oriented** Programming and **Functional Reactive** Programming.
* Composed a Basic UNIX workshop for some of the users
* Expertise in using front end applications using **HTML 5, CSS3** mainly for styling and view rendering.
* Worked on Angular with **TypeScript** and other latest client-side technologies including **ReactJS, ES6, Gulp, NodeJS, RxJS, Angular CLI, Webpack, Karma** and **Jasmine.**
* Hands on experience on **Google Cloud Platform (GCP)** in all the bigdata products **Big Query, Cloud Data Proc, Google Cloud Storage, Composer (Air Flow as a service)**.
* Used **Single Sign On (SSO)** to have access control on multiple independent software systems.
* Experience in developing micro services using **Spring Boot** and deploying them in the **Pivotal Cloud Foundry (PCF).**
* Ample experience on usage of bundle package and familiar using tools like NPM, Bower as task runners. Used **Karma, Jasmine, Protractor** as **UI testing** for **Backbone JS** and **React JS.**
* Designed and developed Unix shell script to perform data loading, BOD setting of systems, intra-day processing and reporting. Designed and developed PL/SQL packages/triggers to handle database tasks. Developed Autosys JIL scripts for scheduling. Created Unix shell scripts for Interface tool to run sessions.
* Developed visual component libraries in C++ with optimized compilation done with C++ Borland compiler using register calling convention to optimize function calls in handling dynamic events .
* Implement native method calls from Java to C/C++ and converted C/C++ code to Java for socket implementation of TCP/UDP/SIP messages across each gateway platform.
* Created **CAMUNDA** workflows to automate instantiation, health check, configuration and delete processes on **PNF** and **VNF** devices.
* Experience in database design and development of **PL/SQL** stored procedures and packages in relational databases like **Oracle 9i / 10 / 11g, SQL Server 2005/2008, DB2, MySQL** and good hands-on experience in implementing designing and developing **NoSQL** Databases like **MongoDB.**
* Experience in implementing and deploying Java EE design patterns such as **Singleton, Abstract Factory, DAO, DTO** and **Business Delegate** in the Development of Multi-Tier distributed Enterprise Applications.
* Good knowledge and experience in **Core** and **J2EE design** patterns like **Singleton, Abstract Factory, Builder, MVC2, Business Delegate, DAO etc.**
* Experience in SVN and Perforce for version control and used maven for building.
* Ability to manage multiple project tasks and deadlines along with troubleshooting skills to facilitate effective and efficient resolution of problems.
* **Java 1.8 Stream API for Bulk Data Operations on Collections using both Streams and Parallel Streams**
* Good experience in working with team members from vendors and internal departments to coordinate activities across multiple applications.
* Expert in Various Agile methodologies like **SCRUM, Test Driven Development (TTD), Incremental** and **Iterative methodology, Pair Programming, Agile Development & Testing using Software Development Life Cycle.**
* Used UNIX Shell scripts for Extracting and Parsing data from the files. FTP process is extensively used to send and receive the flat files.
* Experience in testing with **JUnit Framework** using **Mockito** and **Easy Mock, Spring Junit Runner, JMeter,** Worked on testing JavaScript structures utilizing **Mocha and Chai, Jasmine and Karma.**
* Expertise in using **NPM** and **BOWER** package and Dependency management.

Technical Skills:

**Programming Languages:** Java, C, C++, PL/SQL, JavaScript, UNIX, Shell Script.

**Web Technologies:** JSP, Servlets, JNDI, JDBC, JMS, JPA, EJB(3.0), Web Services, SOAP, WSD, Angular 8.0/6.0/4.0, React JS with Flux, Redux, Ember JS, Back Bone, JavaScript, Angular JS, NODE JS, AJAX, CSS3.

**XML Technologies:** XML, XSL, XSLT, SAX, DOM, AXIS, Castor, XML Beans and JAXB

Web/App. Servers: Apache Tomcat 4.0/5.0/6.0, Web Logic 8.1/9.1, Web sphere, JBoss, IIS, Apache Tomcat

**IDEs:** Eclipse, Visual Studio, IntelliJ, Spring Tool Suite, Sublime Text, Red Hat Developer Studio, WSAD

**Testing Tools:** Junit, TestNG, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor Build &amp; Configuration Tools: Ant, Maven, Gradle, Jenkins, Karma, Mocha, Chai, Spock, Protractor

**Frameworks:** Struts, Spring (Dependency Injection, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate), Hibernate, DWR, Log4j, JSF, JPA

Professional Experience:

# **FULL STACK DEVELOPER**

**Aug 2021- Till Date**

**General motors (Plano, TX)**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Worked on **JSX** inline template in updating **VDOM** and used reusable React components using **React JS** with **Redux** Architecture.
* Used **React Hooks** to rewrite front-end applications. Replaced **React** class component with functional component. And stateful management, replaced with new Hooks like **useState, use Effect, useReducer** and **useRef**.
* Developed multiple **Angular 12.0** components that are compatible with the latest versions of **typescript, angular CLI**.
* Extensive work experience in designing and developing Enterprise Applications in J2EE using Core Java1.8 and J2EE framework.
* Service calls on pages to interact with the server were made with **AXIOS** and generated Dispatch actions to make changes and manage the state of **Redux-Store**.
* Used **CAMUNDA** Modeler for workflow creation.
* Developed RESTful services based on **Spring REST** using **Jersey** framework.
* Designed and developed efficient user Interaction screens using **HTML5, CSS3-SASS,** and Twitter **Bootstrap CSS** framework and **media queries** to create responsive web pages.
* 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**Sharing**.
* Implemented **Java11** features like **Lambda expressions, Streams, filters, pipelines, Optional Interfaces,** etc.
* Extensive experience as a JAVA Full Stack Developer in developing Web - Based enterprise applications using Spring Framework 5.x/4.x, Java 1.8/1.7 /1 .6 and J2EE technologies.
* Added unit testing for every **CAMUNDA** workflows
* **GCP**(GAE, Datastore, PubSub), AWS web services (EC2, RDS Aurora, SQS, ELB, LC, ASG), HTML, CSS,JavaScript, Ajax, jQuery, PHP Codeigniter, Grails, Spring Boot, Servlets, JSP, EJB, JDBC, JMS, Struts,Hibernate, JPA, Apache Maven, Gradle, Spock, Mockito, Junit, FindBugs, Oracle PL/SQL, Project Lombok,ELK Stack (Elasticsearch, Logstash, and Kibana)
* Hands-on experience using **ODM frameworks** to connect asynchronous environments with **Mongoose Connector** and **Cassandra Node Driver**.
* Worked with **KAFKAZookeeper** for managing the cluster with **broker/cluster** technology.
* Configured **JBOSS** Application server and used **Oracle** database with **Hibernate ORM framework** and used the functionalities of **Hibernates**second level **EHCache.**
* Implemented **Microservices** architecture with **Netflix, Spring Eureka, Spring Ribbon** using **Spring Boot** to provide client-side load balancing in calls to other **Microservices**, making applications into smaller chunks and the Spring Hystrix circuit breaker and for the fail-safe.
* Wrote **Drool rules** in both **rule flow** and **drooled fusion** for fetching the facts from the database.
* Experience in Java 1.8 and Expertise in Streams and Lambda expressions.
* **Kubernetes** is configured in the application for automating deployment, scaling, and management of containerized applications.
* Hands-on experience on **Dump Analysis** and thread Dump common problem patterns (Thread race, deadlock, hanging IO calls, garbage collection / OutOfMemoryError problems, infinite looping, etc.).
* Implemented **Spring Netflix Zuul** API gateway and **Eureka service registry** for **reverse proxy** and **Dynamic service** discovery of APIs.
* Performed manual and regression **testing** using **JIRA X-RAY** tests, writing the scenarios.
* Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and creating Kafka adaptors for decoupling the application dependency.
* Experience in **Java11** features like **Parallel Streams, Lambdas, functional interfaces, and filters**.
* Used **Cassandra** for storing internal statements and reports and worked extensively in Development which includes updating and retrieving data internally from the back-end **Cassandra**.
* Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer**, Auto scaling groups, Optimized volumes, and EC2 instances and created monitors, alarms, and notifications for EC2 hosts using **Cloud Watch**.
* Configured and managed various AWS Services, including **EC2, RDS, VPC, S3, Glacier, CloudWatch, CloudFront, Route53, SQS, SNS,** etc.
* Implemented a 'server less' architecture using **API Gateway, Lambda**, and **DynamoDB** and deployed **AWS Lambda** code from **Amazon S3 buckets. Created a Lambda Deployment function** and configured it to receive events from your S3 bucket.
* Worked with **Jenkins** to configure **Continuous Integration** and **Continuous Deployment** (CI/CD).
* Experience in Java 1.8 and Expertise in Streams and Lambda expressions.
* Implemented Spring Circuit breaker pattern, integrated **Hystrix** dashboard to monitor Spring microservices.
* Participated in code review and mentoring sessions and used **GIT** as version control and **GITBash** for **GIT** interactions.
* Experience in building isomorphic applications using React.js and Redux with **GraphQL** on the server-side.
* Used **CAMUNDA** REST API’s Cockpit and JAVA API’s to communicate with **CAMUNDA** engine.
* Experience in working with **GraphQL** queries and use the Apollo **GraphQL** library.
* Experience working with (consuming) **REST** or **GraphQL** APIs via client-side JavaScript or server-side via NodeJS.
* Programmed **J2EE** application to manage transaction reports for **Oracle** Financials Application Processes.
* Authenticating Users to provide security to RESTful web services using **OAUTH2.0**.
* Worked on UI testing with **Karma, Jasmine, Protractor** for Angular, **Mocha,** and **Chai** for React JS and Backbone JS.

**Environment:** Java, Angular 11.0, J2EE, Git, Spring Boot, Hibernate, Core Java, Rest, Web Services, CSS, Eclipse RCP SASS, WSDL, JIRA, JMS, PostgreSQL, AWS, Spring Cloud, Spring batch, PCF, Apache JMeter, jQuery, JUnit, Docker, Maven, Jenkins.

# FULL STACK DEVELOPER

**Aug 2020 – July2021: Master card(Jersey, NJ)**

* Developed the single-page application following **Agile Scrum**, participated in daily stand-up’s, sprint reviews, Kick-offs, and used **Jira** for project management.
* Involved in Software Development Life Cycle for gathering requirements, Analysing, Designing, Developing, and Testing applications using **Agile** methodology.
* The application is built in **Micro Service Oriented Architecture** using **MEAN 4+ (Mongo, Express Angular 12.0 and Node)** stack and developed **Single Page Applications (SPA)**.
* Worked with **Reacts** lifecycle methods including **componentDidMount**, **shouldComponentUpdate**, **componentWillUnmount** and **React-Router** techniques.
* Used **Axios** service to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
* Created complex **CAMUNDA** workflows with error handling with a user task
* Developed user interface using **React** using **Redux** and constructed a Node powered workflow and build systems using **gulp**, webpack and NPM tools. Used**React Hooks** to rewrite front-end applications.
* Experience in working with IDE tools like Eclipse with Java 1.8.
* Programmed **J2EE** application to manage transaction reports for **Oracle** Financials Application Processes.
* Authenticating Users to provide security to RESTful web services using **OAUTH2.0**.
* Utilized **Core Java** concepts like **Collections, Multithreading** and **Exception handling** to develop business components.
* Designed and developed the **REST** based **Micro services** using the **Spring Boot**, **Spring Data JPA.**
* Quickly developed Go, Bootstrap, font-awesome, jQuery based POC admin web app for the RTT2 RAPI,**GCP** project which resulted in quick sampling and showcasing of GCP features for the team
* Implemented persistence layer using **Hibernate** that uses the POJOs (which do not have the business processes) to represent the persistence database tuples.
* **Hibernate Session Manager** used to configure multiple data sources and provide independent database connectivity.
* Developed application on Spring framework by utilizing its features lik**e Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC** and implemented **Spring AOP** for cross cutting concerns
* Used **CAMUNDA** Modeler for workflow creation.
* Performed Load testing of **SOAP** Web Services using **SOAP UI** and Apache **JMeter** tools.
* Wrote **Hibernate** Criteria queries for data retrievals and have performed the **ORM** mappings to map java entities to database tables.
* Designed application to meet international market standards using **Spring MVC Internationalization** and **spring core modules**.
* Server-side validations are achieved using **Spring Validation** framework.
* Deployed and monitored web services using **Spring Cloud Foundry** Managed Domains and Routes with **Spring Cloud Service Registry.**
* Developed **Spring Batch** processes for financial reporting applications and modules using **Perl** and **Korn** shell scripts on **Oracle database**, with partitions and sub partitions.
* Implemented **Quartz scheduler** to execute batch programming using **Spring Batch.**
* Implemented various validations rules using **JBoss** Business rules in the DRL (drools file) using **Drools rule engine.**
* Experience in cloud services using Amazon Web Services (AWS) and **Google Cloud Platform** (**GCP**).
* Created automation framework and test scripts using **Selenium Web-Driver** for multiple platforms and browsers testing.
* Experience in integration testing tools like **Selenium Web Driver, Cucumber (Behaviour Driven Development testing).**

**Environment:** HTML5, CSS3, Redis, Express JS, jQuery, JavaScript, Node JS, Bootstrap, REST API, Load Balancer, Mongoose Connector, MongoDB, REST administrations, Docker, Mocha, Jasmine, Karma, Gulp, SSO Authentication, Webpack, Kubernetes, Selenium, Maven and Jenkins. GIT, Jenkins, AWS Services, Elastic Cloud Compute (EC2).

# FULL STACK DEVELOPER

**Nov 2018 – July 2020: Kaiser(Deerfield, IL)**

* Used **HTML5, CSS, jQuery, Ajax** and performed client-side validations using JavaScript.
* Implemented web interface (UI) for end-users using **AngularJS**, which has migrated from the existing **Backbone JS** application.
* Develop reports using Oracle Report Builder and shell scripts for automating report delivery.
* Creation and maintenance of PL/SQL programs and Shell Scripts. Writing ad-hoc queries and change requests queries (CR’s) based on schema knowledge for various reporting requirements
* Designed the user interface screen and its functionality as per user requirements and developed **RESTful** Web services in **Mule ESB** based on **Service Oriented Architecture (SOA)**.
* Effectively used **Angular Directives, filters, declarative templates, service providers, and context-aware communication**.
* Developed a set of application functionality using **CRUD** (Create, read, update, delete) features of **Backbone.js.**
* Added unit testing for every **CAMUNDA** workflows
* Hands on experience on multiple cloud services in AWS and **GCP**
* Performed AngularJS end-to-end testing using the **Protractor** framework.
* Used **backbone.js** as Model, Widgets as Controller, and **jQuery** template as view.
* Developed application on Spring framework by utilizing its features lik**e Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC**
* Worked on **Spring Framework** handling major concepts like **Dependency Injections, Spring IoC Containers, Transaction Management Declaratives** (annotations based).
* Deployed the **drools** rules as a service in the J2EE stack environment.
* Wrote **SQL** Queries, **PL/SQL** stored procedures, triggers, packages on **Oracle database.**
* Configured **Hibernates** second-level cache using **EHcache** to reduce the number of hits to the configuration table data.
* Implemented security functionality for various projects using **Site minder (SSO).**
* **Hibernate ORM** framework is used to interact with databases through **Hibernate query language** (HQL). And also worked with the **Hibernate EH Cache technique** for the critical objects in the application.
* Used **Backbone JS** to utilize its rendering functions and create controllers to handle events **triggered** by clients and send requests to the server.
* Developed an automated application using **JMS** for messaging and **JNDI** to interact with the server.
* Implemented complex java logic as **CAMUNDA** listener classes to handle and store business logic and validation
* Re-designed, re-architected and built the existing application using Java 11, Spring Boot, Spring ReactiveStack (WebFlux), **GCP**, PostgreSQL and Maven.
* **Configured** and **managed** public/private cloud infrastructure utilizing **Amazon Web Services like Amazon Ec2, Amazon S3**.
* Configured **Jenkins** to handle application deployment in the **Pivotal Cloud Foundry (PCF)** server and integrate with **GitHub** version control.
* Used latest implementations and methods of Java 1.8 like Lambda Expressions
* Implemented **ODBC,** which is used for connecting to the **Oracle** databas**e.**
* Used **Maven** build tool to deploy the application on web servers, i.e., **JBoss** and **testing** is achieved using the **TestNg** framework.
* Integration testing methods and **Behavioural driven testing** in the application are implemented using **Selenium and Cucumber,** respectively.

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

# **J2EE DEVELOPER**

**Nov 2016 – Oct 2018: Ariscent software (Hyderabad, IN)**

* Effectively worked on **Angular 1.0** to use the enhanced features of **typescript, Angular Routers,** and **Angular Components**.
* Effectively used **Angular Directives, filters, declarative templates, service providers,** and **context-aware communication**.
* Worked on **Agile** methodology, including team-based design and code reviews.
* Installed and configured UNIX servers as TSM client using IBM Tivoli Storage Manager 5.3/5.4,6.1.
* Created complex **CAMUNDA** workflows with error handling with a user tasks
* Peer reviews of the Design and Source Code (C, C++, and Shell Scripts).
* Worked with **Ember JS** to code some new functionality and developed application front end using **HTML, CSS, Ajax.**
* Spring **AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the cross-cutting concerns.
* Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
* Implemented **Spring Batch** to run daily and monthly batches.
* Extensively used **Java server Faces(JSF)** Navigation rules and JSF tags for enhanced user Interface.
* Programming and Changing UI screens using C++/QT, Used multi-threading and thread synchronization extensively.
* Involved in multi-tiered J2EE design utilizing **Spring Inversion of Control (IOC)** architecture and **Spring JPA**.
* Created complex **CAMUNDA** workflows to trigger REST APIs and validate responses in automation process.
* **Hibernate** ORM framework is used to interact with databases through Hibernate query language (**HQL**).
* Involved in writing optimization techniques for more accuracy of Macros in C/C++, C and C++ routines and Oracle SQL, PL/SQL.
* Worked with **Log4J** to capture the log that includes runtime exceptions
* Involved in the Development of **SOAP Web Services** using **Apache Axis** to extract client-related data from databases.
* Monitored UNIX server for CPU Utilization, Memory Utilization, and Disk Utilization and tuned the UNIX servers and suggested solutions to the Application teams/Business.
* Expertise in managing AWS & **GCP** cloud computing environments utilizing AWS services VPC, EC2, IAM,S3, ELB, AutoScaling, ROUTE53, RDS and **GCP’s** VPC, IAM, GCE, GKE, GCS
* Developed the business logic code in **Core Java/J2EE, Struts, JDBC**and deployed applications using **Oracle WebLogic Server.**
* Analyzing, designing and implementing change requests for the C/C++
* Deployed the application using **Docker** and **AWSConsole services**.
* Deployed the application to **IBM WebSphere** 8.5.5 in UNIX environment IBM AIX 5.1.0.3. Tested the application after making the necessary configuration.
* Used **ANT** build tool for compiling and generating war files.

**Environment:** JSP, HTML, CSS, JavaScript, JDK 1.5, Hibernate 2.5, Spring 2.x, Servlets 2.3, JMS, JDBC, JavaScript, UML, HTML, JNDI, CVS, Log4J, JUnit, WebSphere Application Server 5.1.

# **JAVA DEVELOPER**

## May 2015 – Oct 2016:HCL(Hyderabad, IN)

* Designed the user interface screen and its functionality as per user requirements and developed **RESTful** Web services in **Mule ESB** based on **Service Oriented Architecture (SOA)**.
* Develop reports using Oracle Report Builder and shell scripts for automating report deliver
* Work as a product client team developer on a variety of platforms including Windows, UNIX and Linux distribution using C/C++
* Developed **SCM** by using the **JSP/HTML** for each user interface. Servlets standard validations are used as the controllers for business logic and using **JDBC, XML** parsing techniques using **MVC**.
* Designed a mailing application to send notifications to the **Oracle** users for intimating to start the following workflow.
* Created **GCP** projects and migrated on-prem/AWS instances to **GCP**
* Used **Multithreading** concept to post data from files to tables involving the transformation of files from one format to another.
* Designed many UML diagrams in Magic Draw for generating C++ code on the fly.
* Performance tuned many queries and taking back up of cronjobs and shell scripts
* Configured **Struts-config.xml, Tiles-def.xml,** and various properties files provided by Struts Framework for the implementation module.
* Extensively used the **Struts tag libraries (Bean Tags, Logic Tags, HTML Tags, etc.) and Custom tag libraries.**
* Setup Alerting and monitoring using Stackdriver in **GCP** (**Google Cloud Platform**)
* Developed web applications using **Struts, Spring, and iBatis** framework.
* Experience in installing, configuring, and deploying applications on **Web Logic Server**.
* Developed a **DAO** pattern to retrieve the data from the database.
* We kept up the bean life cycle by utilizing **Spring IOC,** which keeps session information about beans.
* Used **SOA, UDDI** lookups, and **Web Services Description Language** (**WSDL**) using the **SOAP** protocol.
* Implemented **IBM WebSphere** Application Server to deploy the application
* Deployed application on the **Client Linux server**.
* Developed device management software in C/C++ using TCP/IP and UDP programming that provides potential issues with set points of configured devices and to identifies if protection elements and fault diagnostic reports are enabled for selected devices
* Designed and implemented sftp, ftp, SSH on UNIX servers.
* Syncing time on UNIX hosts with NTP server.
* Involved in performing Unit and Integration Testing in **Selenium.**
* Designing new components to fit in the already existing architecture using core **Java**, **multithreading**, design patterns like the **factory method, Abstract factory pattern, Singleton**, while developing web-based applications using **REST Web Services**.

**Environment:** Core Java, J2EE, JSP, HTML, MVC, Servlets, Struts, JMS, MDB, EJB3.1, JUnit, PL/SQL, DAO, Web Logic Server, Ant, SOAP, JAX-WS, WSDL, Junit, SQL.