**Venkat Yarra**

**Sr. Java full stack developer**

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**PROFESSIONAL SUMMARY:**

* Over **10+ years** of experience in analysis, design, implementation and testing of Object-Oriented Applications in Client/Server environments using **Java/J2EE** and front-end technology stack.
* Experienced in other front-end technologies such as SASS, LESS, Typescript, BOOTSTRAP. Angular1, Angular1.5,

Angular2. Ajax, JSON. Node.js etc.

* Experience working with various **methodologies** based on **Agile, Scrum**, **Waterfall Model**, **TDD**, **Iterations.**
* Expertise in **Object Oriented** and **Multi-threaded/Concurrent** Programming using Java/J2EE related technologies.
* Experienced in **Middleware persistence framework** like **Hibernate/JPA, JDBC, iBatis** for mapping Java **POJO** classes/Objects with database and using **Hibernate Query Language (HQL)**.
* Worked on Lambda Expressions, Functional interfaces Stream API's. Time API, and Improvements on Collection. Concurrency and 10 improvements by using Java 8
* Experienced in **Full stack** front end technologies using **Grunt js, Glup Server, Yoman generator** for Angular.
* Experienced in Golang Microservices using channels, routines, functional interfaces, and various frameworks.
* Experienced in **Client-side validation, Client-Server data interaction using Ajax in Nodejs.**
* Responsible for implementation of java integration components for**JBPM and DROOLS.**
* Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database
* Experience in working with **Service Oriented Architecture (SOA)** which includes Universal Description and Discovery Integration (**UDDI**) lookups and **WSDL**, **JAX-WS** and **JAX-RS** using **res** protocol.
* Designed and developed the End Points (Controllers), Business Layer**, DAO Layer using Hibernate and Spring IOC (Dependency Injection).**
* Developed a PHP web application.
* **Expertise in React JS framework to develop the SPA and working with React Flux architecture.**
* Implement a consent management tool that will help us manage consent from our clients and employees, to ensure we use their data as per the consent they have provided. Informatica, OneTrust. TrustArc are the leading systems in this space.
* Has a demonstrated background within the design, development, and implementation of **GoLang and java web applications**
* **Developed and optimized services using Nodejs and ES6 as interfaces to Cassandra NoSQL database**
* **well experienced with popular development approaches Waterfall. Agile. Scum and Test Driven Development (TDD)**
* **Development experience with AWS Cloud resources which includes launching, maintaining and troubleshooting EC2 instances. S3 buckets Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS**
* Hands on experience in Front-End technologies like **Angular 9, Angular 8, Angular 6, ReactJS, NodeJS, JavaScript, Type Script, HTML5, CSS3/4, Bootstrap, Tag Libraries, AJAX** for web page designing.
* Experience in using various **AWS** Components like EC2 for virtual servers, S3 and Glacier storing objects, EBS**, Cloud Front, Elastic cache, IAM, S3, Cloud Watch, Cloud Formation** and **Dynamo DB**.
* Experienced in designing and developing enterprise and web applications using **Java 7/8, Servlets, JSP, JDBC, JNDI, JPA, Struts, EJB, Spring, Hibernate, Scala, SOAP, REST, AWS, JMS, XML, JUnit.**
* Experience in implemented Security in Web Applications using **Azure** and Deployed Web Applications to **Azure** and deployed **Azure** resource manager-based resources.
* Experience and in depth knowledge of understanding in the strategy and practical implementation of AWS etcud Specific technologies including EC2, EBS, S3, VPC. RDS, SES, ELB, Cloud Front, Cloud Formation. Elastic Cache, Cloud Watch, RedShift, Lambda. SNS, Dynamo DB.
* Experience in working on DevOps teams and help automate server and infrastructure configurations using shell scripting, Perl, chef cook books and building Docker Images

Solid understanding and hands on experience acting as Scum master using agile methodologies to manage & develop the applications

* Excellent knowledge of PHP5 coding, and performance optimizations, debugging, unit testing.
* Extensive experience with the GoLang language and integrating various stacks including Java, JavaScript, AJAX, JQuery, AngularJS, ReactJS, NodejS, Angular, Bootstrap, JSON, XML, and Python.
* Experience in developing and deploying a Microservice application utilizing almost of the AWS Stack including S3,EC2,DynamoDB, Kinesis, SNS and SQS
* Expertise in front-end development in working with AJAX frameworks: Angular 215 (typescript) Aniar JS, JQuery Sencha YUI, DWR and Dojo.
* Developed applications using latest technologies like **EJB3.0, Spring2.x/3.x/4.x, Hibernate3.2/4.x, and REST based Web services (axis2.0, JAX WS 2.0), Rule Engines (Drools4.1, ILOG), XML API and tools**.
* With more than + years of experience working on core java, Devops, 12EE, SP Hibernate Web Services SOAP & REST

MVC Framework (Struts, Spring utilizes Cloud Watch to monitor resources such as EC2, CPU memory. Amazon RDS, DB services, DynamoDB tables andEBS volumes

* Monitor and analyze the results, trends, patterns, and events from Data Security and Privacy Compliance Tool OneTrust to enforce Data Privacy and Security requirements.
* Experience in design, development and implementation of application using Java/J2EE, Spring Framework, Spring Boot. EJB, Python, Hibernate. JPA, Node JS.Express JS. Kafka. AWS, RH OpenShift. Docker Kubernetes, Oracle DB, Cassandra, Mongo DB. JSON, XML, Web Services, HTML5, CSS3, Bootstrap. Typescript, javascript, Angular 9/8/7/6. React JS. backbone IS. JQuery and Ajax
* Building the web Application from scratch using Drupal & PHP.
* Used NodeJS Frameworks in the development of the web applications
* Experience in implementing Java EE design patterns such as **MVC,Singleton**, **Factory, Session Facade, DAO, DTO, Command** and Business Delegate in the development of Multi-Tier distributed Enterprise Applications.
* Experience in configuring and deploying the applications on **Tomcat**, **WebSphere**, **WebLogic** and **JBoss** Servers.
* Good Experience in designing **Java, J2EE** applications using **Amazon Web Services** and have good knowledge of AWS services like **EC2, S3, Elastic Beanstalk, ELB, VPC, Direct Connect, Route53, SNS, SQS, Cloud Watch.**
* Experienced in working with multiple databases like **Oracle 10g/11g/12c**, **SQL Server**, **MySQL**, **DB2**, **NOSQL DB like Mongo DB, Cassandra** and written complex **SQL queries, procedures, Triggers** and **Stored procedures**.
* Experience in debugging and logging using the log framework - **log4j** and analysis and reporting with **Splunk**.
* Experience Microsoft **Azure** date storage and **Azure Data Factory**, Data Lake.
* Expertise in applying **JMS** (Java Messaging Service) for reliable information exchange across Java applications using **Apache Kafka** to communicate from Client to server.
* Migration of existing systems to AWS and using the snapshot method for the EBS volumes
* Design and prototype high performance Excel API using PHP.
* Expertise in using **Apache Kafka** in cluster as messaging system between the **APIs** and **microservices**.
* Experience in maintaining log delivery system by creating producer, consumer and broker architecture using **Apache Kafka**.
* Moving the Microservices as cloud bases in AWS EC2 server & deployed using Elastic bean stalk/Code commit services of AWS.
* Used Nodejs to structure JavaScript code to build endpoints
* Experienced in application build tools like **ANT**, **Maven, Jenkins, Kubernetes and Docker**.
* Strong experience in **TDD**, using the JUnit framework with **Mockito, Power Mockito**&**SpringJunitRunner**.
* Good experience in unit testing using **Karma, Jasmine** and **JUnit,** Automated Testing **Selenium** (IDE/Web driver), Integration testing using **Selenium**, **Hudson**, **Jenkins and Apache Camel.**
* Created AWS Security Groups for deploying and configuring AWS EC2 instances
* Experienced in development, testing and deployment of enterprise applications on **Windows**&**UNIX** platforms using IDE's such as **Eclipse**, **Rational Application Developer (RAD)**, **Netbeans**, **Spring Tool Suite (STS), intellij.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | Java 1.8, J2EE |
| **Web Technologies** | SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlet API 3.0 |
| **Frameworks** | Spring 4.3, Hibernate 4.3, Angular JS 1.0/1.5/2.0, Spring Security 3.2 |
| **Application/Web servers** | Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, WebSphere MQ 7.5 , GoLang |
| **Relational Databases** | Oracle 10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1 |
| **NoSQL Databases** | MongoDB, Cassandra |
| **Internet Technologies** | HTML 5, JavaScript 1.8, XML 2.0, CSS 3, jQuery 2.11, 8JS 2.0, BackBone.JS 1.3.1, Node JS 6.0. |
| **Cloud Environments** | Azure, AWS, Netflix Eureka, Mesos, Kubernetes. |
| **IDE** | Eclipse, NetBeans, IntelliJ, Spring Tool Suite (STS) 3 Visual Studio Code |
| **Operating system** | Windows 10, Linux, Unix |
| **Bug tracking Tools** | JUNIT4.12, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36 |
| **Reporting Tools** | Jasper Reports 6.0, Crystal Reports XI, SSRS 5.0 |
| **Methodologies** | Agile, waterfall, TDD (Test-Driven-Development), Scrum |
| **Build Tools** | Ant 1.10, Maven 3.3.9, Gradle 3.4.1 |
| **Web Services** | SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS, |

**WORK EXPERIENCE:**

**Client: Trowe Price, Owing Mills, MD Oct 19 – till date**

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

**Responsibilities:**

* Work with external teams in **TRP** to check the requirements and help them in creating the scenario and job json files for data reconciliation process.
* Gather the data from different resources and store in database and change data for data analysis of system requirements and performance.
* Enhanced performance of jackpot application by 80% by designing new architecture to use s3 files to save data instead of Aurora **MySQL**.
* Used **GIT** as source code collaborator and **github** for maintaining code and documentation.
* Used **Java8** Method References feature to point to methods by their names.
* Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database
* Using **lambda** expressions, **Stream API,optional** and **JODA** time features provided by **Java 8.**
* Working in the team as **JBoss-Rules Drools BPM Specialist / Java Developer**in a corporation wide modernization initiative for loans approval.
* Migrating rules from **‘Mind-Box’** to **Drools (Red-Hat JBoss BRMS)** with **eclipse** as a mediator. Solely in charge of provide and present of a more simple and efficient design and implementation of BPM rules engine technology to handle the complexity of the new Pricing. Ticketing initiatives by using **Daptiv PPM**and**JIRA.**
* Used **React JS** for tinplating for faster compilation and developing reusable components.
* Developed Golang software to handle concurrent data collection and processing with goroutines and channels.
* Worked on Migration of legacy EJB based SOAP APIs to GoLang based services, REST Services.
* Design and developed the application using **React** with internal frameworks (**Remix and GSSP framework).**
* Worked on **React JS** Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Integrated the **Drools**and **JBPM**to application framework, which involved dynamic creation of knowledgebase and Knowledge session.
* Wrote various types of Business rules in the **.drl**(drools file), **.ece**(expectation files) Templates using Drools rule engine for business decision making; injecting beans into the rules engine and invoking using Rule Base Stateless Session
* Design, develop and testHTML5, CSS3.Bootstrap.Javascript. React andAngularthat meets accessibility and web browser standards for website
* Help Devops teams configuring servers by building cook books to install and configure tomcat.
* Actively participated in daily and weekly Scum meetings and code review of other modules.
* Developed front-end applications using ReactJS, Flux, NodeJS and Docker and Built Spring based Java and Scala services to support Enterprise Web application
* Wrote NodeJS application logic; supporting REST APIs launched in AWS Lambda with Postgres backend
* Established processes for GDPR cookie compliance with OneTrust and internal auditing.
* Worked on PHP and built object-oriented websites in PHP5.
* Working with front office traders and carrying out trading activity on day-to-day basis
* Involved in developing functions for Amazon Lambda to manage some of the AWS services.
* Convert existing project code, and redesign it to object oriented PHP5 code.
* Building a Command line tool to interact with RESTful API using in GoLang.
* Integrated the **Drools**and **JBPM**to application framework, which involved dynamic creation of knowledgebase and Knowledge session
* Maintain and develop e-commerce websites for specific clients using PHP/MYSQL, Wordpress, Joomla.
* Using **lambda** expressions, **Stream API, optional** and **JODA** time features provided by **Java 8**.
* Wrote user story for The Preference Centers to capture Marketing email Consent in OneTrust using collection points and purposes.
* **Created S3 buckets for EC2 instances to store all the content including HTML pages, images, CSS files and script files O Have replaced the Java Messaging Service (MS) calls with AWS SQS and used AWS SDK to connect withAmazon SOS for bulk email processing.**
* Used **Java 8 Method References** to point to methods by their names and used **functional Interfaces.**
* Develop new UI application for Jackpot using **ReactMaterial UI** and **AntD**.
* Enhanced, fixed functional and performance related bugs in core product written in GO(GoLang).
* Collaborate with development team on **MySQL** data sharding, query optimize, memcached setup.
* Good knowledge of **maintenance and production support** by integrating all the modules and **debugging production logs** thereby stabilizing the system.
* Used PHPCAKE for separating business logic form presentation logic, it was also use to rapidly develop the application in order to meet strict deadlines.
* Developed API for using AWS Lambda to manage the servers and run the code in the DB
* Developed AWS Lambda and AWS S3 using Golang.
* improving the trading platforms and monitoring in conjunction with development team.
* Experience with Privacy Technologies such as OneTrust & TrustArc.
* Worked on **Node.js** Middleware framework like Express.js and Hapi.js and Yoemon, essentially developed microservices and serve them through middleware. Served any Client-side libraries through microservice.
* Used **Node.JS**, React.JS, and Backbone.JS MVC framework for developing the Single Page Application (SPA). Backend development done using **Node.js**, Koa, Cassandra, and Redis.
* Used Streams and lambda expressions available as part of java 8 to store and process the data.
* Developed Golang Microservices and converted the user stories into backend logic in service classes.
* Implemented the Restful API using Sequelize.js with **Node.js** (hapi.js framework.
* Used **JSON** Schema identifier to process the parameter files quicker to avoid any exceptions in next steps.
* Developed scripts to handle auto deploys to QA environment using Jenkins and git configurations on code pushes to various microservices.
* Created smart navbar system in typescript that would retain a client context across multiple web apps using the query string Smart nav would automatically determine selected navigation node using the browser URL
* Used PHP to create and consume web services (SOAP, XML-RPC) and implemented data integrations within the platform.
* Elicited all functional and non-functional requirements for the configuration of the OneTrust tool.
* Involved in Test Driven Development, Written automated unit test functions in Golang to Cover the API code.
* Worked with Container service **Docker** with build port and other utilities to deploy Web Applications.
* **Developed internationalized multi-tenant SaaS solutions with responsive UI's using Java or React or AngularJS, with NodeJS and CSS**
* Deployed **Spring Boot** based microservices **Docker container** using AWS **EC2** container services and AWS **admin console**.
* **Current additional technologies include CSS3, SASS, React-Bootstrap. Aurelia, AJAX, REST JSON, Babel. Git. GitHub.Scum Agile, WebStorm. Intellij IDEA, and JIRA.Confidential**
* Created UML and BPML Workflows, Process Flow Maps, and Data Flow Diagrams and analysis based on the OneTrust framework.
* Closely worked with **Kafka** Admin team to set up **Kafka** cluster setup on the QA and Production environments.
* Deploying **docker** images as a Fargate in **AWS**.
* Worked on React JS Virtual DomandReact views, rendering using components which contains additional components called customHTML tags.
* Designed the tables and modules using My SQL. HTML and PHP.
* Worked extensively with AWS services like **EC2**, **S3**, **VPC, ELB, Autoscaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS.**
* Developed static and dynamic Web Pages using **HTML5**, **CSS4**, **Angular9**, **Bootstrap**.
* Created Front-end Single Page Applications using semantics in HTML5, CSS3, JavaScript, Bootstrap, ReactJSNodeJS and MongoDB
* Created **Docker** containers and **Docker** consoles for managing the application life cycle.
* Have Deep understanding of Equity, trading flow
* Modelled the Wireframe for each validated function for the seamless deployment of the OneTrust technology.
* Setup full **CI/CD** pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Using **Java8** developed **API’s** as per the business cases analyses the **current** API with **Spring Boot**.
* Uses CakePHP framework, Recess framework, AJAX Push Engine, MySQL. Css, Adobe Photoshop and JQuery.
* Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Used **Log4j2** utility to generate run-time logs and **NGNIX** for reverse proxy server process to load balancing.
* **Created tasks for updating tsconfig tracked files based on glob, tslinting, and compiling typescript files**

**Environment: Eclipse, Visual Studio Code,** **DROOLS, Java 8, Postman, React, bootstrap, J2EE, Spring MVC, typescript, Hibernate JPA, Arura MySQL, Microservices, Zuulapi gateway, Restful Web services, Putty, AWS, Git, Spark Cluster, STS, Gradle.**

**Client: AT&T, Dallas, TX Mar 19 – Oct 19**

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

**Responsibilities:**

* Used CI/CD tools **Jenkins, Git** and **Docker** registry for configuration and automation.
* Developed scripts to handle auto deploys to QA environment using Jenkins and git configurations on code pushes to various microservices.
* Creating **cross-browser** compatible and standards-compliant **CSS**-based page layouts and implemented Zuulapi gateway.
* Implemented complex applications using **MongoDB** to speed up the query.
* Designed and implemented Splunk's PHP SDK.
* Experience in writing swagger yaml documentation for NodeJS services
* Created and worked with various SQL and NoSQL databases such as AWS RDS Aurora DB cluster. MySQL DynamoDB.
* Used Spring Core Annotations, Spring **MVC** for Rest **API’s**, **Spring Boot** for **Microservices** and Spring Batch for running batch jobs.
* Used Microsoft Azure for **storageBlob** and **message queues** which is much faster in transferring data from one place to another and reduces the load on **microservices**.
* Used Streams and lambda expressions available as part of java 8 to store and process the data.
* Used Azure Cloud as a storage for HDInsight Blob’s where we store the patient’s data which will later be moved to MongoDB using python scripts.
* Developed and implemented software applications and systems using various tools and technologies including Golang, AWS, Docker, and Cassandra.
* Infrastructure and Application **CI/CD** pipeline deployment using AWS **Code pipeline**, **Code Deploy** and **Code Commit**. microservices and serve them through middleware. Served any Client side libraries through microservice.
* Applying patches and plug-ins for Boss Application Server. Designed the tables and modules using MySQL, HTML and PHP
* Solid experience in NoSQL technologies like Cassandra, MongoDB
* Developed Rest Api to processes the data from DB to another Rest Service using GoLang.
* Used one-way/two-way data binding, filters, UI-routers and creating custom directives in **Angular 9**.
* Developed RWD UI pages using **HTML**, **XHTML, jQuery**, **HTML5**, **AJAX**, **CSS3**, **Angular8** and **Node.js**.
* Created, produced and consumed **REST web services** to serve user requests and for third party system
* Jenkins to auto deploy client-side application based on git branches, debug server is triggered by git push while release server is based on nightly build.
* Used GoLang 1.10 and Developed Microservices using Channels, goroutines, functional interfaces and various frameworks.
* Used **Spring** Framework including **Spring** Core/IOC, **Spring** **AOP**, **Spring ORM** and **Spring Batch** and implemented the authentication, authorization, and access-control features by making use of **Spring** **Security** feature.
* Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Developed application using Nodejs for Asynchronous Module Definition (AMD) and Grunt as task manager
* Successfully setup database replication system from Oracle to Oracle, **MySQL** to Oracle to fit business needs.
* Used most of the new features of **Java 8** like **lambda expressions** for communicating between business layer and database, stream API for Bulk Data Operations on Collections using both streams and parallel streams.
* Developed **Hibernate** with **Spring Integration** abstraction to interact with database of **MongoDB**.
* Involved in writing **Hibernate Criteria queries, Transactions** and **SQL queries** for the Data access.
* Developed **Microservices** to communicate using synchronous protocols **HTTP** and **REST** for implementing **SOA**.
* Created data as a service based **Restful** web service with **Mongo DB** data store running on **Tomcat 9**.
* Developed unit tests with **JUnit** and **Mockito** and written automated regression tests using **JMeter**.
* Building components to connect to other microservices using **Kafka,Elastic Search** and **REST API**.
* Developed **CI/CD** pipeline and build tasks to run the unit tests on **Jenkins** and maintained separate build in **Maven** for the module for easy integration to the portal build and configure with **Jenkins.**
* Used AWS Beanstalk for deploying, scaling web applications and services developed with java
* Worked on the Analytics Infrastructure team to develop a stream filtering system on top of **ApacheKafka**.
* Implemented a distributed messaging queue to integrate with Cassandra using **ApacheKafka** and **Zookeeper**.
* Used Java 8 features like Lambda expressions, functional interfaces Steams for build operations on collections.
* Used **Python** to match patients from the criteria object and store the patients found as blob object in HDInsight’s and then move the data to **MongoDB**.
* Hands-on experience in Java/J2EE, XML, Web Technologies, Web Services
* Implement Continuous integration Continuous Delivery (CICD) for end to end automation of release pipeline using DevOps tools like jenkins, Pupper Automic ARA et
* Good working experience in Azure **HDInsight** provisioning/Services and in - depth knowledge of **HDInsight** Cluster deployment includes Spark, HBase, Kafka, Hive LLAP, etc and expertise in monitoring, logging and cost management tools that integrate with **HDInsight.**
* Hands-on experience in Java/J2EE, XML, Web Technologies, Web Services
* Strong expertise in agile development.
* Used Cloud Front (CDN)in serving web content to other regions using S3.
* Primary Participant in administrative activities includes **HDInsight** Spark/HBase/Kafka/Interactive Query (LLAP) Cluster deployment using ARM Templates and using Azure Portal, creating Resource Groups, NSG Rules, Scaling the Clusters, creating blob and ADLS Storage accounts, day to day operational activities like monitoring the jobs.

**Environment: Eclipse, Visual Studio Code, Java 8, DROOLS, Postman, Angular 4, bootstrap, J2EE, Spring MVC, typescript, Hibernate JPA, MongoDB, SQL Server, Microservices, Zuulapi gateway, Restful Web services, Putty, Azure DevOps, Git, Python 3, HDInsight’s, Spark Cluster, STS.**

**Client: Quest Diagnostics, West Norristown, Pennsylvania Feb 17 – Feb 19**

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

**Responsibilities:**

* Developed EQC Automation microservice to provide **RESTful** API utilizing Spring Boot with **Spring MVC**. Implementing microservice architecture with **SpringBoot** based services interacting through combination of **REST** and **RabbitMQ** message brokers for Reporting and Historical services.
* Developed a session expiration component using angular widgets and latched it onto the application.
* Used **JSON** Raw format for sending request and reply to web services. Uploaded flies in to **Oracle** database using **CLOB** and **BLOB**, **Normalization** and performance turning with **Oracle DB**.
* implemented Continuous integration Continuous Delivery (CCD) for build and deployment automation using DevOps tools jenkins. SONAR, Nexus, Automic ARA. Perl Script and Shell script
* Used **RabbitMQ** queues for implementation of multi-threaded synchronization processes using **JMS** queues for consumption requests.
* Build n-tier applications using RESTful Services, Java/J2EE, and related technologies.
* Worked with AWS (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster and created notifications, alarms for EC2 instances using Cloud Watch
* Created internal diagnostic tools using Golang, Goroutine, Microservices, Channels, Gokit, ORM GORM, Gorilla Mux.
* Expert in implementing advanced procedures like text analytics and processing using the in-memory computing capabilities like Apache Spark written in **Scala.**
* Auction web app - calculated bids for energy auctions utilizing **Scala**, JPA and Oracle.
* Built Kafka-Spark-Cassandra **Scala** simulator for MetiStream, a big data consultancy; Kafka-Spark-Cassandra prototypes.
* Ran daily Scrum, bi-weekly Sprint Ceremonies, removed story blockers, and made sure the Scrum team adheres to theScum/Agile principles and Scrum Values,
* Architected and implement REST API interfaces using JavaScript and **Node.js**
* Developed Single Page Web Application with React.js, Redux, Express.js, **Node.js**, REST API, and MongoDB.
* Extensively used Promises and Event Emitter in **Node.js** to avoid callbacks and more readable code.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular2.
* Used Typescript to write the Angular Components, Modules, Services, and Models.
* Designed and developed this application using Angular 6, Node JS, MySQL, Typescript, HTML5, CSS3, Bootstrap, and Angular-Material.
* Build servers using AWS Importing volumes launching EC2, creating security groups. Auto-scaling, load balancers.Route53, SES and SNS in the defined virtual private connection (VPC)
* Developed **UI** layer for the application using **HTML5**, **CSS3**, **Angular 4.0** and **Node JS.**
* Built custom widgets using **bootstrap** APIs to meet the requirements and expectations.
* Implemented Stored procedures, triggers to implement **Oracle** advanced Queuing.
* Improved source code maintenance which resulted in significant code reduction, ease of upgrade, scalability, ease of developer spin and superior performance by refactoring the existing application.
* Used custom tag libraries and **Spring MVC** framework for web applications.
* Implemented the application using **Spring IOC, Spring MVC Framework, SpringBoot** and **Spring Security.**
* Worked on creating **Docker** images, Containers, push/pull and on integration with **Spring Boot**.
* Involved in writing Thread Safe blocks for multithread transactions.
* Created **Spring Batch** Repository to track the errors, job execution steps and timing information.
* Designed and developed **Microservices** using **Rest and Spring Boot.**
* Full Stack Software engineer to work in the Accessibility team to build and maintain tools.
* Migrating the application to Cloud environment using the Amazon web services EC2, S3 and various services of AWS
* Experience in using **MongoDB** data models document, key-value & wide column, or graph model.
* **Spring Ribbon** for load balancing and a broker service to maintain status using **Kafka and Zookeeper**.
* Used **Karma (Jasmine)** for **JavaScript** Unit testing and Protractor for E2E testing.
* Performed **regression testing** and continuous integration testing using **Jenkins** automation tool.
* Setting up test execution builds with **Jenkins CI server** on slaves which are configured on **AWS**.
* Implement ad-hoc analysis solutions using Azure Data Lake Analytics/Store, HDInsight
* Architect & implement medium to large scale BI solutions on Azure using Azure Data Platform services (Azure Data Lake, Data Factory, Data Lake Analytics, Stream Analytics, Azure SQL DW, HDInsight/Databricks, NoSQL DB)
* Developing **Gemfire persistence objects** using hibernate mappings.
* Persisting Objects to remote caching tool like in Gemfire using Gemfire Client API.
* Developing **Persistence Gateway application** for persisting data from Gemfire to **Oracle** database.
* Worked with AWS**CodeCommit** to securely import Git code repositories.
* Proficient in using source code change management and version control tools like GitHub, SVN, CodeCommit, TeamCity, Fisheye, JIRA, IBM RTC and Source Tree.
* Implemented generating objects at runtime and integrated **PrimeNg** for angular components like Grid charts to implement rich user interface with extensive features.
* Implemented Java **Multithreading** to process multiple Excel sheet flat files simultaneously and to refresh cache at given interval time. Developed Data Access Object’s (**DAO**’s) using **JPA**.
* Designed desktop application that pulls data from the cloud and loads them into the sql server by transferring JSON data into data objects with the help of entity framework.
* Implemented **Micro Services** to communicate using synchronous protocols **HTTP** and **REST**.
* Created core module with components that will be loaded once in AppModule such as Navbar, Toolbar, Service and Routing Module. Used **StarTeam** for source code management.
* Developed several web applications that required Responsive Web Design for windows and android phones.
* Developed **REST** services for search filters in Java. Used a mix of Native **SQL** along with **HQL** and criterions.
* Developed single page applications, components using **Angular JSdirectives**, **controllers**, **view** and **routing**, **service** modules.

**Environment: Eclipse, Visual Studio, Postman, Hudson, Angular2+, bootstrap,J2EE,Spring MVC, typescript, bootstrap, JPA, Hibernate, RabbitMQ, Restful Web services, SQL Developer, putty, NodeJS, StarTeam.**

**Client : Nationwide, Columbus, Ohio Sep 15 – Jan 17**

**Role: Sr.JAVA/J2EE Developer**

**Responsibilities:**

* Developed using new features of **Java 7** Annotations, Generics, enhanced for loop and **Enums**. Used **Spring** and **Hibernate** for implementing **IOC**, **AOP** and **ORM** for back end tiers.
* Involved in writing **Thread** Safe blocks for **multithread** access to make valid transactions.
* Created and injected **Spring** services, **Spring** controllers and DAOs to achieve **dependency injection** and to wire objects of business classes.
* **Created Directives Services Filters using Angular JS with Typescript**
* Designed new architecture to have referral feature in Care360 application by using **GWT** for front end.
* Developed web application using technologies Core Java, **GWT**, **Tapestry**, **JavaScript**, **HTML**, **CSS**, &**Xml** and **HTML5**.Used **J2EE** design patterns like **MVC**, **Singleton** Factory, **DAO**, and **DTO**.
* Used hibernate as the object relational mapping (ORM) architecture tool for persisting java objects (**POJO**s) and used Oracle for backend data and for complex queries, and **DAO** pattern to fetch data using **Hibernate**.
* Used **DAO pattern** to fetch data from database using **Hibernate** to carry out various database.
* Used **GITHUB** as a source version control system for **microservices** code repository.
* Developed **Camel** routes to do backend crone jobs to generate report and send to third party web service.
* Created and injected **Spring** services, **Spring** controllers and DAOs to achieve **dependency injection** and to wire objects of business classes.
* O Responsiblefor ReactUlandarchitecture Buildingcomponentslibrary.includingTree. Table Grid
* **MYSQL** SME on team: Served as escalation point for lower level technicians, especially with regard to MYSQL issues.
* Establish the data management framework that improves the data quality and standards for both database structures and repository and migrate database from SQL Server to **MySQL** 5.1.
* Performance monitoring/tuning on **MySQL** and LINUX , Replication set up and configuration processes and Troubleshooting issues.
* Extensively used Java 8 features such as lambda expressions, Paralle operations on collections, multithreading and for effective sorting mechanisms
* **MYSQL** database Installation, performance tuning, backup and recovery and replication Serve as an expert
* Designing a highly scalable, highly available, minimum TCO for maximum ROI using big data components like kafka, spark, cassandra, mongoDB, and API. It is python and **scala** based analytic system with ML Libraries.
* Worked on Multiple **AWS** instances, set the security groups, **Elastic Load Balancer**and**AMIs**, **Auto scaling** to design cost effective, fault tolerant and highly available systems.
* Worked with **Terraform**to create stacks in **AWS**from the scratch and updated the **terraform** as per the organizations requirement on a regular basis.
* Created templates for **AWS infrastructure** as a code using **Terraform** to build staging and production environments.
* Experience in the **PaaS**service like **OpenShift** provided by the RedHat and Streamlined installation of **OpenShift** on partner cloud infrastructure such as AWS.
* Involved in implementation of RESTFUL web service APIs using Node.js, which were consumed by making AJAX calls and JSON as data exchanging tool.
* Worked with NPM commands and using Package.json for managing dependencies and dev-dependencies of Node.js applications.

**Environment: J2EE, Eclipse, Spring, Spring MVC, Jenkins, Spring JDBC, SpringBoot, EJB, Hibernate , Junit, Mokito, Rest web services** , **Test NG, HTML ,XML , JavaScript, CSS, JMeter, Azure, Kubernetes, JUNIT, Micro Services, Perforce, Oracle DB, Maven, Log4j,Putty,Weblogic 11.**

**Client: Sun Trust, Atlanta, GA. Nov2014–Aug 2015**

**Role: Sr. Java/J2EE Full Stack Developer.**

**Responsibilities:**

* Involved in **JAD** sessions with clients for gathering the requirements and involved in Analysis meetings and designed components for the project based on requirement, followed **Waterfall** and **Agile** methodologies.
* Developed user interfaces using **JSP, JSF frame work with AJAX, Java Script, HTML, DHTML,** and **CSS.**
* Implemented the search functionality for Internal Application using **Angular** and **Node js**.
* Used **Angular** router to build single page application for navigating through the different status and multiple models.
* Developed the application under J2EE Architecture using **Spring, Hibernate, Servlets, Web logic** and **JSP.**
* Created **REST** based **web services** by establishing links using **HATEOAS** from Spring based application.
* Monitored and performed testing in various environments like Development, **Test**, **UAT** and **Production.**
* Developed **Restful Web services** in **JAX-RS** using **Jersey** to provide domain data to the application
* Implemented logging in the application using **Spring AOP** module to know the application status. Used **Spring DAO** module for performing **CRUD** operations on database.
* Installed **Pivotal Cloud Foundry (PCF)** on EC2 to manage the containers created by **PCF** and used Docker to virtualize deployment containers and push the code to EC2 cloud using Pivotal Cloud Foundry.
* Create and configured the continuous delivery pipelines for deploying **Microservices** and lambda functions using **CI/CDJenkins** server.
* Database development in MySQL using Workbench 6.2 client.
* Developed View Models using **Typescript**.
* Worked with **Jquery** and **typescript** for the development of the UI.
* Worked with Angular 2 and typescript as part of migration from Angular and vanilla javascript to Angular 2 and React.
* Experience in developing and designing POCs using **Scala** and deployed on the Yarn cluster, compared the performance of Spark, with Hive and SQL/Teradata.
* Performed advanced procedures like text analytics and processing, using the in-memory computing capabilities of Spark using **Scala**.
* Created various Parser programs to extract data from Business Objects, XML, Informatica, Java, and database views using **Scala**
* Integrated the different pages to be a single page application using Angular 4 and Typescript.
* Created Directives, Services, Filters using Angular JS with Typescript.
* Work with engineering teams in the design and implementation of fail-over and recovery solutions **MongoDB**, Oracle **Exadata** 12C and pluggable databases.
* **Kubernetes**is being used to orchestrate the deployment, scaling and management of Docker Containers.
* Deployed Spring Boot based **Microservices Docker** container using **AWS** EC2 container services and **AWS** admin console.
* Integrate LDAP servers with**MongoDB**for single sign-on use.
* Worked closely with **QA team** and **fixed QA** bugs as well as production issues with a quick turnaround time.
* Developed unit test cases using **Mockito** and **Power Mockito** framework for testing accuracy of code.
* Created stored procedures to extract data from various data sources like Flat Files, **XML** Files and **SQL** server.
* Modified SQL, PL/SQL procedures and triggers to obtain optimize output and also worked with **Cassandra**.
* Highly used MQ **Visual Edit** and **MQ Visual Utility** tools for connecting to remote queue managers.
* Worked with **IDE** as **RAD** **9.1** and deployed the application into **WebSphere Application Server 8.5.**
* Involved in Migrating the project from **Ant** to **Maven build tool** to achieve more functionality for build process.

**Environment: Java 8.0, Spring 4, Hibernate, JavaScript, Angular 5.0, HTML 5.0, CSS3, WAS 8.5, RAD, log4j, Mockito, XML, MongoDB, Maven, GIT,MQ Visual Utility, MQ Visual Edit.**

**Client: Airtel, Hyderabad, India Oct 2013 – Nov 2014**

**Role: Java/J2EE Full Stack Developer.**

**Responsibilities:**

* Worked on **Agile** Scrum methodology and involved in daily **stand-up** meetings to monitor the progress.
* Interacted with **Managers & Business users** for **performance issues,** discussed about **key Aspects** based on requirements and its **relational mapping** to the application with users.
* Developed Application using **Spring MVC** with **Spring IOC, annotations, integrated** with **Struts 3** frame work with views based on **JSP**. Involved in coding for the presentation layer using **JQuery Mobile, NodeJs**, **JavaScript**.
* Used core java concepts such as **Multi-Threading, Collections, and Exception handling**. Worked extensively on Core Java, low latency side using **Java Concurrency** on the back-end of the application.
* Configuring and managing **AWS Simple Notification Service**(SNS) and **Simple Queue Service (SQS).**
* Migrated data from **Datacenters** and on-premises to **Cloud** using **AWS Import/Export Snowball** service.
* Designed **AWS Cloud Formation** templates to create custom sized **VPC, Subnets, NAT** to ensure successful **deployment** of **Web applications**and**database templates**.
* Involved in coding for the presentation layer using **JQuery**, **JQuery Mobile, NodeJs**, **JavaScript**.
* Developed the application using industry standard design patterns **like Singleton, Business Delegate, MVC, and Factory Pattern etc.** Involved in developing Single page applications using **NodeJs, WEBPACK (ES6).**
* Developed a dashboard based on **Ajax calls** with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using **NodeJS**. Involved in **presentation layer frameworks** using JQuery widgets.
* Built Single Page Apps using Angular and **Typescript** for Responsive Design.
* Developed Single Page applications using AngularJS using components, directives using **TypeScript.**
* Created **Typescript** reusable components and services to consume REST API's using Component based architecture provided by angular.
* Implemented application using **design patterns** such as **Session Facade**, **Bean Factory** and **Singleton**.
* Utilized **MEAN stack, REST design pattern, MVC framework** and Single Page Application framework based on **Node JS.** Transaction management is done by **JTA API** specification by implementing them.
* Utilized **XML** and **XSLT** for dynamic web-content and database connectivity. Implemented Map-reduce functionality in **MongoDB** to maintain customer order tracking. Involved in **fixing bugs** or defects in the application.
* Developed **Junits** using **Mockito and Spring Junit Runner** frame work. Used version control repository **SVN**.
* Used **JIRA** for issue tracking. Used **Maven** as a build tool and retrieved all dependencies required for application.

**Environment: Core Java, Spring MVC 3, Spring integration, Spring JDBC, Struts 3, JMS, JIRA, NodeJs, JQuery, JQuery Mobile, Java script, HTML, CSS, Apache Tomcat 7.0, Restful, Eclipse, Oracle 11g, Maven, Drools, Mockito, Junit, SVN.**

**Client: Info Edge Solutions, Hyderabad, India Jan 2013 – Sep 2013**

**Role: Java Developer.**

**Responsibilities:**

* Designed **Use Case** and **Sequence Diagrams** according to UML standard using **Rational Rose**.
* Extensively used **XML** documents with **XSLT** and **CSS** to translate it to **HTML** to present to GUI.
* Developed **Session beans** for functionality as per the requirement. Used **Spring MVC framework** for implementing the Web tier of the application. Used **Hibernate API** to perform database operations.
* Performed client-side validations using **JavaScript** and server-side validations using in built **Struts Validation.**
* Used Design patterns like **MVC pattern**, **DAO pattern**, and **singleton** to achieve clean separation of layers.
* Implemented **Spring JDBC** using Simple JDBC Template & Named Parameter JDBC Template.
* Wrote **Ansible Playbooks**with **Python SSH**as the **Wrapper**to Manage Configurations of AWS Nodes and Test.
* Leveraging kops implemented a **Kubernetes Container Orchestration** solution within AWS allowing for easy management, **creation, and recovery of AWS assets.**
* Used **Hibernate API** to perform database operations. Worked on **Hibernate persistence tier**. This involves developing mapping files and Hibernate (POJOs/ DAOs). Used **Lo4j** debugging tool to monitor the Error Logs.
* Involved in developing **SQL** queries, **stored procedures**, and **functions**.
* Developed **JUnit** test case using Mockito Framework for performing Unit testing of the application.
* Responsible for writing detail design documents and class diagrams and sequence diagrams. Involved in tracking and resolving Production issues.
* Used **Spring core** for **Dependency Injection/Inversion of Control** (IOC), and integrated **AngularJS** and **JDBC.**
* Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects.Building the Red hat Linux server in VMware ESX client through Vsphere client.

**Environment: Servlets 2.5, JSP 2.1, Spring, JDBC, JavaScript, HTML, PL/SQL, SVN, Hibernate 3.0, WebLogic.**

**Education:**

**Bachelors in Computer Science, India**