**Java Full Stack Developer**

**Name: Gokulnath**

**Ph no: 469-305-0617**

**Email:** [gklnthrajendran@gmail.com](mailto:gklnthrajendran@gmail.com)

**Linkedin URL :** [www.linkedin.com/in/gokulnathraj](http://www.linkedin.com/in/gokulnathraj)

**Professional SUMMARY:**

* Over **11 years** of professional experience in the IT industry, with a focus on developing, implementing, and maintaining a variety of applications using **Java**, **J2EE** technologies, and Object-oriented methodologies. Skilled in enterprise technologies, frameworks, and design patterns.
* Certified Scrum master and expertise in delivering projects through **Agile** and **Test driven development (TDD).**
* Experienced with **J2SE** Technologies like **API**, Threads, Executor framework, Completable Future, Futures, Collections, and Exception Handling and, **J2EE** Technologies like **Servlet**, **Listene**r, **JSP**, **Java Security API.**
* Strong development skills in **Java,** **J2EE**, **JDBC**, **JSP**, **Servlets**, **EJB J2EE** , **JND**I, **RM**I, **HTML**, **XML**, **XSL**, **Java Script, Rational Rose, DB2, Oracle and SQL Server**.
* Experience writing backend using **Node.js** with frameworks like **Express** and **MongoDB** database.
* Expertise in the implementation of Core concepts of **Java**, **J2EE Technologies**, **JSP**, **Servlets**, **JSF**, **JSTL, EJB transaction implementation, Spring, Hibernate, Java Beans, JDBC**.
* Stream applications using **Kafka APIs** and **Kafka Streams API**. Wrote Producer and Consumer **API** to publish and consume data from topics respectively. .
* Ample experience on usage of bundle packages and familiar using tools like **NPM, Bower** as task runners. Used **Karma, Jasmine, Protractor** as **UI testing** for **Backbone JS and React JS.**
* Implemented retry mechanism before sending to error topic. Implemented multithreaded consumption for slow consumers. Implemented exactly once semantics using **Kafka.**
* Expertise in JDBC Connection Pooling, Persistence, Caching, EJB Server, HTTP, HTTP Tunneling
* Good experience and knowledge in various development methodologies like Test Driven Development (TDD), Extreme Programming (XP), Scrum, Agile.
* Experienced at utilizing microservices architecture to build scalable, modular applications with RESTful APIs, Docker, Kubernetes, and DevOps practices.
* Proficiency in front end application developer using Angular 2.0/4.0, React JS, Ember JS for dynamic users and which helps in architectural pattern MVC.
* Using Kotlin for implementing new modules in the application.
* Have knowledge on Kotlin Android Extensions framework.
* xperienced at utilizing microservices architecture to build scalable, modular applications with RESTful APIs, Docker, Kubernetes, and DevOps practices.
* Experience with web servers such as Oracle WebLogic, Apache Tomcat, Red Hat JBoss (EAP), IBM Web Sphere.
* Experience in Integrating and deploying applications using Apache Kafka, Apache Camel, Apache CXF, ActiveMQ, Service Mix and JBoss Fuse Enterprise Service Bus (ESB).
* Experienced in employing JUnit and Mockito, Selenium, Jasmine with Karma, including unit, integration, end-to-end, and UI testing, to ensure comprehensive test coverage and robustness of the application across the full stack.
* Skilled in utilizing Python for scripting, automation, and data analysis tasks, enhancing productivity and efficiency across diverse projects.
* Experience in database **development** and implementation using different **RDBMS** such as **Microsoft** **SQL** Server, **ORACLE, MySQL, PostgreSQL and DB2 and NoSQL databases** such as **MongoDB, Cassandra.**
* Experience in using build/deploy tools such as Jenkins, Docker, and OpenShift for CI/CD (Continuous Integration & Deployment) for microservices.
* Experience in working with containerization technologies like **Docker, Kubernetes and OpenShift**.
* Experience in designing and architecting using **UML** based diagrams through tools like Plant UML and Lucid charts.
* Worked on customized front end application development using **jQuery, React JS, Handlebar JS** and implemented **React JS** using **Redux** library and **Flux** pattern.
* Extremely good in **Spring Boot, Spring Framework, Hibernate, Angular 8, React JS, TypeScript,** and **JUnit frameworks**.
* Proficient in using Enterprise integration patterns (**EIP**) with **Apache Camel** such as **Multicast**, dynamic router, content based router, splitter and recipient list.
* Extensively worked on Collections, Generics, Enumerations, Annotations.
* Have knowledge of Spring Cloud to develop Spring Boot-based **Microservices** interacting through **REST**.
* Expertise in Object Oriented Analysis and Design (**OOAD**), **OOPS** using **Unified Modeling Language (UML), Design Patterns, MVC Frameworks**.
* In-depth knowledge of Apache Subversion (**SVN**), **Git & Bit Bucket and Jenkins** Continuous Integration Server – Installation, Configuration, Design and Administration, and integrating these tools with other systems.
* Experienced on working with Amazon Web Services like **EC2, S3, AWS CloudWatch, Dynamo, SQS, Lambda and SNS.**
* Familiarity with big data processing frameworks like **Apache Spark and Apache Flink**.
* Familiar with data architecture including data ingestion pipeline design, **Hadoop** information architecture, **data modeling** and data mining, machine learning and advanced data processing. Experience optimizing **ETL** workflows.
* Proficient in Service Oriented Architecture (**SOA**), Experienced in development and use of Web Services.
* Proficient in using caching technologies like **Hazelcast** and **Redis** and integration of those into application.
* Worked on various **J2EE**applications on appservers such as **Weblogic10.3**, **Websphere**, **Jboss Fuse 6.1 and Tomcat.**
* Experience in writing JUnit tests using **Mockito**, **Power Mockito** and behaviour based tests using **Spock** and **Cucumbe**r.
* Experience in Front - End UI technologies like **HTML5, CSS3, JQuery, JSON, AJAX, Node JS,** **AngularJS, BackboneJS, Bootstrap, Tag Libraries, and JSTL**.
* Expertise in creating Single Page Application (SPA) and reusable components **in Angular 6/Angular 10.**
* Experience in implementing e-commerce/distributed applications using **HTML, HTML5, CSS, JavaScript, Java, J2EE, Servlets, JSP, Java Beans, JDBC, EJB, XML, XPATH, JAXB, JAXP, SQL, jQuery, Unix, Linux and Windows.**
* Designed and implemented XML schemas, Java APIs, business logic and XML/JavaScript user interfaces.
* Extensive experience with developing web and enterprise applications with development tools like Eclipse, IntelliJ and WebLogic.
* Proficient in Developing **MVC framework** using **Groovy** on **Grails, Spring 3.0 (IOC, MVC, AOP), ORM framework** using **Hibernate, GORM** for online & batch enterprise applications.
* Strong Knowledge in scripting technologies like **Python, Scala, Shell, Groovy on Grails and Perl**
* Extensive experience in developing unit testing frameworks using **Junit** and test-driven methodology.
* Experience in building projects through **Maven** and **ANT** building systems.
* Proficient in Core Java concepts like **Multi-threading**, Collections and Exception Handling concepts.
* Experience in version control tools like **SVN, GitHub** and **BitBucket.**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Programming Languages | Java, J2EE, JDBC, Shell Scripting, Python, JavaScript, TypeScript, C, C++, jQuery, HTML5, DHTML, REST Services, ag-grid |
| Frameworks/Libraries | Apache Camel, Spring, Spring-Boot, Angular > 4, React JS, Apache Spark,  Flask, Django, Bootstrap, Dozer, YARN, Express, JEST unit testing framework |
| Java Enterprise API | Servlets, JSP, Junit, EJB, JNDI, JSON, JMS, JDBC, Java Mail, RMI,  Web services |
| Messaging Technologies | Apache Kafka, IBM MQ , Rabbit MQ, ActiveMQ, IBM WebSphere and JMS |
| System Design | Docker, Kubernetes, Openshift, MVC, Spring, Spring Boot, Hibernate,  Spring framework, CSS3, Microservices, Node.JS, Reactive and Event driven systems. |
| Cloud Technologies | AWS (S3, ECS), GCP |
| Databases& Programming | MySQL, SQL, MongoDB, NoSQL, Oracle, SQL Server, IBM DB2,  Stored Procedures, PostgreSQL, AWS Dynamo, AWS Aurora . |
| Software Engineering | UML, Design Patterns, Object Oriented Methodologies, Service Oriented  Architecture, Test Driven Development, Scrum and Agile methodologies |
| XML Technologies | XML, DOM, SOAP, WSDL |
| Application Servers | Apache Tomcat, Glassfish, Jenkins, JBoss, WebLogic, IBM, Apache Karaf  WebSphere, Eclipse, Maven,  Yeoman, Grunt / Gulp |
| IDEs & Tools | Eclipse, IntelliJ, VS Code, WinSCP, Putty, Jenkins, ANT, Maven, Log4J,GIT,   * Splunk, DataDog, Grafana, Websphere Studio Application Developer, Nexus | |

**PROFESSIONAL EXPERIENCE:**

**Client: Varis, Dallas, TX June 2022 – Till Date**

**Role: Lead Java Full Stack Engineer**

**Responsibilities:**

* Designed for breaking the S3 monolith by separating out encryption process of storage system into a microservice handling more than 98% of traffic coming to S3.
* Implemented the Spring framework as the robust backend technology stack to seamlessly integrate the Angular
* Designed the requirements and implementation strategy using PlantUML and Gliffy and presented it for review with senior engineers and principal engineers.
* Design and implement **micro-services API** for mobile/web front end and back end edge points. Good Knowledge on **Microsoft Azure Cloud**.
* Designed multiple interfaces and adapters to integrate various API’s like GET, PUT, COPY, LIST and DELETE with new encryption module.
* Developed and maintained BDD test suites using Cucumber/JBehave/Serenity for various projects, ensuring alignment with business requirements and improving software quality.
* Developed robust RESTful web services in Typescript, Node.JS and Angular in an agile environment using continuous integration using Github Actions.
* Utilized popular BDD frameworks such as Cucumber, JBehave, or Serenity to automate acceptance criteria and ensure comprehensive test coverage.
* Developed and maintained applications using Groovy on Grails framework, leveraging its conventions-over-configuration approach to accelerate development.
* Developed publisher and consumer services to pull messages from Kafka Topics.
* Visual Studio Code was used as an IDE for development with PostgreSQL as the Database.
* Wrote algorithms to serialize and deserialize encryption module output refactored out of S3.
* Used Spring Framework in the application, which is based on MVC design pattern. Developed Action classes and Form beans and configured spring-config.xml.
* Debugged and resolved multithreading issues, such as race conditions and deadlocks, to ensure the reliability and stability of the application.
* Used Kafka Streams applications for real-time data processing, enabling stream analytics and data enrichment.
* Developed Kafka consumer groups, managing consumer offsets and ensuring data consistency and reliability.
* Designed and managed MongoDB collections, including the creation and maintenance of indexes, to optimize data retrieval performance.
* Implemented client-side routing using Angular Router, enabling a seamless navigation experience in SPA’s.
* Developed Microservices using Spring Boot and Spring Batch, that create, update, delete and get the assignment information from backend.
* Developed Rest service for authentication using Spring Boot with embedded Tomcat server. Used spring boot for single sign on page application to access more quickly.
* Worked on creation of custom Docker container images, tagging, pushing images, integration of Spring Boot.
* Used Hibernate as ORM tool for object mapping and Implemented Spring Security module to perform threat
* Wrote checksum logic to increase durability guarantees of operations for all API’s using thread safe logic without impacting performance of operations.
* Extensively used Spring JDBC and Sequelize ORM template for performing Database Transactions.
* Refactored various implementations of encryption using factory design pattern and used them to process object bytes coming to S3.
* Integrated BDD frameworks with JUnit/TestNG for comprehensive test coverage and seamless test execution.
* Conducted continuous integration and continuous deployment (CI/CD) using Kubernetes, automating the build, test, and deployment process.
* Developed and maintained Java-based applications using Spring Boot, delivering efficient and scalable solutions.
* Developed and maintained backend services and applications using Groovy programming language.
* Orchestrated data flows between microservices using Apache Kafka as a central messaging backbone, facilitating event-driven communication and decoupling services for improved scalability and flexibility in a distributed system architecture.
* Familiar with JUnit, TestNG, and other testing frameworks used in conjunction with BDD tools for unit and integration testing.
* Configured continuous integration pipelines (Jenkins/GitLab CI/CircleCI) to automate the execution of BDD tests, ensuring rapid feedback and early defect detection.
* Designed and implemented RESTful web services, ensuring high-performance communication between different system components.
* Leveraged cloud technologies, such as AWS and Microsoft Azure, for building and deploying cloud-native applications.
* Collaborated with front-end developers, utilizing JavaScript, to create interactive and user-friendly web interfaces.
* Utilized ag-Grid for efficient data rendering and manipulation in web applications.
* Implemented unit testing using the JEST framework to ensure code quality and reliability.
* Led web application packaging and deployment efforts using Yeoman, Grunt, and Gulp, optimizing build processes.
* Managed build tools and dependencies with Ant/Maven, Nexus, Git, and Jenkins, ensuring smooth development workflows.
* Skilled at identifying and addressing issues in the development and testing process through the adoption of BDD practices.
* Applied expertise in handling large volumes of real-time data with big-data technologies like KDB/Q.
* Worked in an Agile environment, actively participating in Scrum ceremonies and contributing to agile methodologies.
* Contributed to the development of trading systems and brokerage technology, enhancing system performance and reliability.
* Worked on creation of custom Docker container images, tagging, pushing images, integration of Spring Boot.
* Demonstrated strong analytical, communication, and organizational skills while managing multiple tasks simultaneously.
* Leveraged event-driven and service-oriented processing concepts to build robust and scalable applications.
* Played a key role in the adoption and implementation of cloud technologies, earning industry certifications for AWS and Azure.
* Experience in **RDBMS** such as **Oracle, SQL Server** and writing stored procedures triggers, cursors, and optimizing queries using SQL.
* Utilized decorator design pattern to wrap encryption module responses from encryption microservice.
* Wrote database interaction code and used **JDBC API** to connect **MySQL**.
* Wrote a blob processing module to process object blobs which included writing new Iterator calculating range and part for GET API.
* Deployed backend services to EC2 instances utilizing Docker containers or AWS Elastic Beanstalk, facilitating seamless deployment and management.
* Conducted continuous integration and continuous deployment (CI/CD) using Kubernetes, automating the build, test, and deployment process.
* Demonstrated expertise in Docker image creation, optimization, and versioning to support efficient application lifecycle management.
* Involved in writing JSP Custom tags and JSF components. Used JSTL tag library Core, Logic, Nested Bean and HTML tag libraries to create standard dynamic web pages.
* Performed integration of above two refactored modules enabling it to take 2% of customer traffic. Used Command and Strategy pattern to implement that integration.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Implemented unit and integration tests using the Spock Framework to ensure the reliability and quality of Groovy code
* Used log4j logger to log errors and info across the application with proper exception handling.
* Wrote new unit test cases using Mockito and power Mockito to improve coverage of classes to 97%.
* Wrote new behavior-based end to end test cases in Spock and Cucumber to improve testing coverage from 69% to 93%.
* Successfully utilized **Agile methodology** to deliver features resolving dependencies and using CI/CD pipelines.
* Setup infrastructure to simulate customer traffic and workflows to perform performance testing for new implementation.
* Automated lot of frequent log dives by writing shell scripts based on log patterns.
* Worked collaboratively with other developers in a team-based environment, utilizing version control tools to manage changes to the code base.

**Environment:** Java 1.8, Typescript, Nodejs, JDK, Log4j, Docker, J2ee, JDBC Lombok, Kubernetes,Spock, Cucumber, Mockito, Power Mockito, Functional programming, design patterns, PostgreSQL, ANT build, IntelliJ, GIT, SOA, JMS, SOAP, XML, Eclipse, RESTful Web Services, Spring ,WebSphere, Groovy ,Microservice architecture, awk and shell scripts.

**Client: Trans America, NJ Jan 2021 – June 2022**

**Role: Lead Java/J2EE Developer**

**Responsibilities:**

* Worked on **Spring-Boot application** using **JAVA 8** that aggregates data and metrics for 16 types of ECHO devices.
* Developed **REST APIs** with spring based transactions to use Oracle database to fetch devices info and process those requests on EMR clusters.
* Implemented MVVM architecture using Redux Architecture with **React JS**.
* Developed data ingestion application to bring data from source system to HBase using spark streaming, **Kafka**.
* Used multithreading concepts and Executor framework to manage thread pools to run 200-230 Amazon Athena queries to collect performance percentiles.
* Proficient in using build tools such as Gradle and dependency management with tools like Maven for Groovy project development.
* Skilled in designing and optimizing database schemas using SQL and NoSQL databases like MySQL, PostgreSQL, or MongoDB for efficient storage and retrieval of e-commerce data.
* Created JUnit test cases using Mockito to provide 98% test coverage used Sonar to identify bugs and check style issues.
* Configure Window Failover Cluster by creating Quorum for File sharing in **Azure Cloud**.
* Performed Real time event processing of data from multiple servers in the organization using **Apache Storm** by integrating with **Apache Kafka**.
* Involved in the design Implementation of **JSP**, **Servlets** and Web Development
* Involved in the Parsing of internal **XML** format document to retrieve the information and to pass them to Struts Action class for further processing.
* Developed dynamic queries and filtering mechanisms using SpEL expressions in conjunction with Spring Data repositories, enhancing database interaction and search functionality.
* Collaborated with cross-functional teams to develop and maintain Java-based applications.
* Created Docker containers and Docker consoles for managing the application life cycle.
* Designed and implemented RESTful APIs for seamless communication between microservices.
* Assisted in the migration of on-premises applications to the cloud, leveraging AWS services.
* Supported front-end development with JavaScript expertise and integrated third-party libraries.
* Conducted unit tests using JEST and participated in code reviews to ensure code quality
* Worked with build tools like Maven and Jenkins for automated deployment processes.
* Utilized Groovy's powerful features such as closures, metaprogramming, and DSLs to write concise and maintainable code.
* Contributed to the analysis and processing of real-time data streams in financial applications.
* Participated in Agile development practices and Scrum ceremonies.
* Gained exposure to trading systems and brokerage technology.
* Developed various screens for the front end using **React JS** and used various predefined components from **NPM** and **Redux**.
* Developed single page applications using **React Redux** architecture, **ES6, web pack** and **grunt**.
* Closely worked with Application using **React JS** and **Node.js** libraries NPM, gulp directories to generate desired view and flux to root the URL's properly.
* Expertise **in Microsoft Azure Cloud Services** (PaaS & IaaS ), Application Insights, Document DB, Internet of Things (IoT), Azure Monitoring, Key Vault, Visual Studio Online (VSO) **and SQL Azure**.
* Worked on some legacy web services built on Apache-CXF running on **Apache Tomcat**.
* Used **JAXB** to process **JSON** based responses from RESTful Web Services external to application to collect driver metrics.
* Used **Spring JDBC** template and **Hibernate** for performing Database Transactions.
* Worked on building front end using React JS, HTML, CSS that helps parsing device logs and generates insights for memory and CPU logs that are uploaded through web portal.
* Used **AWS lambda**, **AWS Cloudwatch and AWS SQS** to create email notification system which creates email whenever certain **Cloudwatch** event is alarming with log analysis details in email.
* Used Node.JS to develop comments repository which automatically triggers test runs interacting with MongoDB.
* Used Ant tool to build the application and Websphere Application Server WAS6.0 to deploy the application
* Maintained schedules for Data warehouse storage. Read and interpreted UNIX logs.
* Experience with Performance Tuning for Oracle **RDBMS** using Explain Plan and HINTS.
* Experience, dealing directly with equity products, and developing in Java or Scala.
* Created **AWS IAM** roles and policies to create permissions for AWS resources.
* **Used AWS S3** to store compressed log files and insights pdf generated for future reference. Generated pre-signed urls to access those.
* **Created SQL queries**, indexes, triggers, sequences for AWS Athena to fetch results.
* Created Apache Spark jobs that runs on cluster of Linux machines to stream performance logs into AWS Athena.
* Used CI/CD pipelines build and release features and update libraries to minimize security risks.
* Maintained and optimized the performance of web applications, identifying and addressing bottlenecks as necessary.

**Environment:** Java, Spring-Boot,J2EE (JEE),Apache Spark, AWS Athena, AWS Lambda, Web Services, Kafka, AWS SQS, React, Docker, Javascript, GIT, REST, JAXB, AWS S3, JMS, VSCode, PostgreSQL, AWS IAM, Spring framework ,WebSphere, Eclipse, AWS Cloudwatch, Sonar, Mockito, PowerMockito, Groovy, Node.JS, Linux,

**Client: Bank of America, Addison, TX Aug 2020 – Dec 2020**

**Role: Java Developer**

**Responsibilities:**

* Developed a web application using **Angular**, **HTML, Javascript and CSS** to automate filling of excel sheets for Micron engineers saving man hours by 183 hrs/ week. Designed and deployed the whole application end to end.
* Experience in Working and Designed and populated dimensional model (star and snowflake schema) for a Data warehouse and data marts and Reporting Data Sources.
* Integrated SpEL expressions into Spring Security configurations for fine-grained access control and authorization based on user roles and permissions.
* Created a data access layer and used MYSQL persistence to store changes in excel sheets on click of save button.
* Used **Node.JS** to process comments left at excel sheets with **MongoDB** storage. Also used Express frameworks to expose REST API’s to interact with excel sheets using comments on cells.
* Provided mentorship and technical guidance to junior developers on best practices for utilizing SpEL effectively within Spring applications
* Designed and implemented database solutions using PostgreSQL, optimizing data schema and queries for performance and scalability.
* Wrote SQL queries, indexes, Stored procedures to maintain CRUD operations of the databases.
* Worked on Continuous Integration CI/Continuous Delivery (CD) pipeline for Azure Cloud Services using CHEF.
* Developed the front end in Angular and used Hands on Table library to perform excel sheet related functions.
* Developed rest API’s using Scala and play framework to retrieve processed data from Cassandra database.
* Thin client rendering: HTML, Tag Libs, JavaScript, XML, JSP and Servlets.
* The Java **Spring boot** backend to support database interaction using ORM principles and exposed various **REST API’s** for front end to interact (CRUD operations).
* Developed another web application to allow Micron employees to submit tickets to the team. This application uses JIRA API’s to log description and other details of ticket.
* **Created a single sign on (SS0) capability** using ADFS integration and JWT token with OAuth2.0 to allow all Micron employees to submit tickets to the team.
* Used pagination table to display status, person operating on tickets submitted and ETA of completion increasing response time by 25%.
* Deployed application on **Openshift** pods using Docker images of the application. Explored Kubernetes to manage those containers.
* As a big data developer implemented solutions for ingesting data from various sources and processing the data-at-rest.
* Used Log4J for logging the user actions and exceptions to find out causes of system malfunctioning and keep user action logs.
* Integrated Groovy scripts with existing Java applications, leveraging interoperability between the two languages.
* Involved in multi-tier Java and J2EE based applications support, responsible for writing business logic using core Java, SQL queries for the backend RDBMS.
* Implemented solutions using Hadoop, Apache spark, spark streaming, spark sql, hbase and Scala
* Used **IntelliJ** and **VScode** for the development environment.
* Experience of using **Microsoft REST API’s** for Azure Cloud and Office 365.
* Wrote **JUnit** test cases to test the functionality of each method in the DAO layer.
* Used **GIT** for version control.

**Environment:** Java, HTML, Javascript, CSS, ADFS, OpenShift, Groovy, Docker, Kubernetes, MySQL, SQL, Spring, Spring Boot, Log4J, Maven, GIT, Angular, Javascript, HandsonTable, PostgreSQL, Eclipse Node.JS, Linux, Spring framework

**Client: AT&T, Bedminster, NJ Feb 2020 – July 2020**

**Role: Software Developer**

**Responsibilities:**

* Developed a data ingestion application to load real time data coming from locomotives into Oracle 10g database using Apache Camel framework with Spring Boot Integration.
* Developed we application reporting locomotive status using JSF, Hibernate, and J2EE technologies to access an Oracle RDBMS 13g RAC database in a multi-developer, configuration-controlled environment.
* Development of complex web application - Confidential utilizing wide range of open source and Oracle technologies: Oracle **RDBMS**, **Spring** **MVC**, **J2EE**/**JEE**, servlets, **JSP**, JSF, **JavaScript**, **Hibernate**, WebLogic, Web Center and ADF.
* Developed three microservices using Spring boot to categorize three sets of requests type processing based on data source and request structure. All microservices exposed REST endpoints.
* Collaborated with cross-functional teams to troubleshoot issues and optimize performance in Groovy-based systems.
* The middleware interaction used JMS/IBM WebSphere MQ series for transferring messages between different components using the JMS/Mail API framework.
* Developed and maintained backend services and applications in Java, utilizing JDBC or ORM frameworks like Hibernate for seamless integration with PostgreSQL databases.
* The data rate was 4 million messages per day serving 50-52 requests per sec using IBM MQ and event driven architecture.
* Communicated with external applications JMS messages using IBM Websphere MQ.
* Utilized JBOSS IDEs for application server environments that included JBOSS AS > 5.0 and JBOSS EAP.
* Used Service-Oriented architecture (SOA) principle and OSGI to expose services for decoding, transforming and storing according to data source, type and use cases.
* Used Scala collection framework to store and process the complex consumer information
* Used Enterprise Integration Patterns like multicast, content-based-router, dynamic router, recipient list and splitter to transform messages.
* Implemented complex business logic and data manipulation using Spring Expression Language (SpEL) within Spring Framework applications.
* Extensive experience as Production Support Personal in various multiple Data warehouse Projects and extensively worked with offshore team.
* Project Setup using myeclipse, IntelliJ and servers like tomcat, JBoss
* Created and customized dashboards in Splunk to provide real-time visibility into application performance, system health, and user behaviour, facilitating data-driven decision-making.
* Deployed all OSGI web services using FUSE platform 6.1 (Apache Camel, Blueprint, IBM MQ, Karaf/OSGi container)
* Experience in utilizing and implementing Confluent Schema Registry with Kafka.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Used caching mechanisms like Hazelcast to cache intermediate states and store results and reduce reads on the database. Explored differences between Hazelcast and Redis before designing the application.
* Developed a Spring Boot application to collect stream of real time panel images from locomotives and display them on web portal with a refresh rate of 3 sec. The system supported around 2k locomotives at a time.
* Eclipse was used as an IDE for development with Apache tomcat as the server
* XML was used to create the db schema-mapping file for Hibernate.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Developed Jsp’s including AJAX that call different API’s that process messages using XML.
* Reviewed code and documented designs to drive ETL processes using RedHat technologies for real time data ingestion.
* Used log4J for logging, Junit4 for unit tests and JDK8 for development.
* Used JDBC to retrieve data from Oracle database.
* Collaborated with cross-functional teams to design and implement RESTful APIs, integrating PostgreSQL databases to provide data-driven functionality to frontend applications.
* Wrote multiple data ingestion queries and used indexes, stored procedures to facilitate data ingestion process as a configuration.
* Integrated Splunk with various data sources, including application logs, system logs, and infrastructure metrics, to centralize and correlate data for comprehensive analysis.
* Assortments, Products to Apache Kafka Topic by using custom Serializers. Exposed teh endpoint for Swagger and developed API's for documenting RESTFUL Web services.
* Maintained SQL queries in configuration files to perform database transactions during data ingestion process.
* Utilizing big data technologies such as Hadoop, map reduce frameworks, mongo dB, hive, Oozie, flume, sqoop and talend etc.
* Used HAWTIO dashboards to monitor logs and Karaf containers health.
* Used Sonar, Jenkins CI/CD to drive agility and quality in development process.
* Used Splunk dashboards to write queries and detect anomalies from logs for driving operation excellence.
* Designed and implemented business logic for tiered applications, incorporating JSF (1.2 – 3.0), EJB (3.0 - 3.2), and JSP (2.0 - 2.3).

**Environment:** Java/EE1.8/1.7, Spring, Spring-Boot, JBoss Fuse 6.1, Karaf 2.2, Apache Camel, Kafka, Kubernetes, Active MQ, SQL, Oracle 11g, Splunk, Maven, Jenkins, Groovy, Sonar, GIT, Spring Boot, Spring, Blueprint, Hazelcast, Redis, JBOSS Developer Studio.

**Client: Robokind, Dallas, TX** **Nov 2017 – Jan 2020**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Written complex SQL queries, Stored Procedures and Functions in PL/SQL for manipulating the data.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8.
* Used Subversion for configuration Management and Jira for task management and bug tracking.
* Used SOAPUI to test for sending and receiving XML data and worked with JMS Queues for sending messages in point to point mode communication.
* Used multithreading for writing the collector parser and distributor process, which was getting real-time data from Zacks API in format of JSON, using multithreading improved the performance by a lot. Moreover, using concurrency package of collections made it thread safe.
* Developed dynamic queries and filtering mechanisms using SpEL expressions in conjunction with Spring Data repositories, enhancing database interaction and search functionality.
* Used Message body Writer for converting Java types streams.
* Used Maven for compiling and building the code.
* Used JavaScript, HTML, JSP pages for developing front end UI and wrote application level code to perform client-side validation.
* Implemented Kubernetes Deployments and Services for Java-based applications, enabling efficient scaling and load balancing across the cluster.
* Used HTML5 wireframes with CSS provided by the design team. JS is used to make it dynamic
* Used AJAX and JavaScript for Client-side validations.
* Provide 24x7 support to the application in pilot and production phases. Support included being on conference calls, identifying and fixing bugs, investigating reasons for specific application behavior.
* Performed unit testing using JUNIT framework and tested DAO's and Business Services
* Migrated technology from Angular 1.0 to Angular 2.0 to use upgraded features such as Angular Components and Angular Routers as per the strategy requirement.
* Developed Servlets for server-side transactions and made use of AJAX for server-side processing without refreshing the JSP page.
* Experience in generating Reports and Dashboards on Dynatrace and Splunk
* Experience in implementing MongoDB CRUD (Create Read Update Delete) operations by using Mongoose library in Node-JS including Angular JS.
* Extensive professional experience in Developing and Deploying enterprise applications on web/application servers such as JBOSS EAP 5.1, Tomcat 5.x/4.x, IBM WebSphere 6.x/7.x, Web Logic under Windows OS and UNIX
* Extensively used Jenkins as Continuous Integration tools to deploy the Spring Boot with Microservices to Pivotal Cloud Foundry (PCF) using build pack.
* Implemented AngularJS Controllers to maintain each view data. Implemented Angular service calls using Angular Factory with Dependency Injection to prevent scope conflict commonly found with JavaScript.
* Implemented light weight WADL (Web application description Language) for better understanding of Rest based web services and its configuration.
* Implemented multi-threaded synchronization processes, with JMS queues for consumption of Asynchronous requests.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing. Deploying the applications and binding third party services like AppDynamics on Pivotal Cloud Foundry (PCF).
* Developed application using Spring JPA, Angular 2.0 on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
* Developed and implemented Restful Web APIs, and exposes endpoints using HTTP methods like GET, PUT, POST and DELETE.
* Designed new classes and functionalities using various JQUERY components for CRM application for customer service.
* Deployed our application on Pivotal Cloud Foundry (PCF) which is used to reduce the development overhead by providing a ready to use platform.
* Created Web User Interface (UI) using HTML5, DHTML, table-less XHTML, CSS3 and Java Script that follows W3C Web Standards and are browser compatible.
* Configured Bamboo to handle application deployment on Cloud (PCF) and to integrate with GitHub version control.
* Built Java Security Aplite adds security and authentication to my application.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, Kubernetes, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Git, Log4j, DB2, Maven, TestNg, WADL,PCF.

**Client: Allegro Development, Dallas, TX Oct 2013 – Oct 2017**

**Role: Java Developer**

**Responsibilities:**

* Developed a JAVA application to test integration of Informatica tool with Hadoop clusters running spark jobs with over 120 scenario.
* Prepare the Azure cloud infrastructure Azure Resource Manager Templates.
* Used Apache Kafka to collect events and process it to start and stop nodes and issue other environment testing commands.
* Written Servlet and deployed them on IBM Websphere Application server.
* Assortments, Products to Apache Kafka Topic by using custom Serializers. Exposed teh endpoint for Swagger and developed API's for documenting RESTFUL Web services. Experience in Implementing API's in Java Multi-Threaded Environment
* Set up Cloudera agents on Linux based clusters using shell scripts.

**Environment:** Java JDK7, Apache Kafka, YARN API’s, Cloudera management console.