**ADITHYA NAGA. Email:** arjun@forgetechno.com

**Sr Full Stack Developer Phone: +1 (609) 973-8471**

**PROFESSIONAL SYNOPSIS:**

* **Results-oriented** software engineer with over **8+ years** of experience in the design and development of distributed web applications using **Java/J2EE.**
* Proficient in all development life cycle phases, including architecture, analysis, design, development, testing, implementation, deployment, enhancements, and production support.
* Skilled in **Agile, Scrum, TDD, and Waterfall** methodologies for application development.
* Extensive experience in client-side development using **Angular 9+, React JS, Node JS, HTML5, CSS3/4, JavaScript, JSON, and Bootstrap.**
* Strong expertise in Spring frameworks, including **Spring MVC, Spring Boot, Spring AOP, Spring DAO, Spring Security, Spring Batch, and Spring Transactions.**
* Developed dynamic responsive web applications **(RWD)** using **Angular 4/8/9.**
* Experienced in developing Spring Boot applications using microservices and synchronous protocols like **Java/REST.**
* Good experience with **Spring boot standalone application, spring integration, Spring DAO, Spring Security, Spring AOP, Spring Transactions, and Spring Batch**.
* Implemented various design patterns such as **Singleton, MVC, Object Factory, Front Controller, and Factory Design pattern.**
* Proficient in developing applications using **Spring, Hibernate, and REST-based web services**.
* Used **microservices** with Spring **Boot** through a combination of **REST** and **Apache Kafka** message brokers.
* Expertise in microservices using **Spring, Spring Boot,** and **Spring Cloud** for developing loosely coupled processes.
* Implemented microservices based on **Restful API** utilizing **Spring Boot** with **Spring MVC** and **Apache Kafka.**
* Strong understanding of microservice patterns such as **Circuit Breaker, Aggregator, and Proxy chaining.**
* Experienced with distributed transaction management. with isolation/propagation levels with **Spring JTA**.
* Developed SQL stored procedures, triggers, and views with databases like **DB2, Oracle, SQL Server, and MySQL.**
* Experience with **DynamoDB** development and migration from SQL relational databases to **NoSQL.**
* Experience with **MongoDB** development (reports, schema design, map reduce functions) and migration from **SQL** relational database to **NoSQL** databases like **MongoDB, and Apache Cassandra.**
* Experience in using various **AWS** components like **EC2** for virtual servers, **S3** and **Glacier** for storing objects, **EBS, Cloud Front, Elastic cache, IAM, Cloud Watch, Cloud Formation, and Dynamo DB**.
* Adding permissions to **AWSSQS** to interact with the Queue and be involved in writing custom policies.
* Experience in creating **Docker** images, Containers, push/pull and integrating with Spring Boot.
* Extensive working with **Amazon web Services** like using **Elastic Beanstalk**, **EC2,** and **AMI** with **Linux.**
* Proficient in using **Amazon Web Services (AWS).** Extensive experience focusing on services like **EC2, Elastic Beanstalk, CloudWatch, CloudFront, Cloud Formation, IAM, S3, RDS, Elastic Cache, SNS, SQS, and AMI.**
* Proficient in creating **Docker i**mages, and containers, and integrating with **Spring Boot**.
* Worked with **Docker** and **Kubernetes** on multiple cloud providers for building and deploying applications.
* Experience in testing with **JUnit** framework using **Mockito** and **Easy Mock.**
* Utilized **Jenkins** for continuous integration (CI) and continuous deployment (CD) pipeline.
* Ability to provide solutions from a functional and technical perspective, with a strong focus on meeting deadlines.
* Proficient in testing environments like JUnit and front-end testing tools using the Jest framework.
* Strong experience with version control systems including **GIT, Bitbucket, and SVN.**
* Familiarity with **JIRA** for defect management and issue tracking of applications.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java 8, J2EE, PL/SQL, Python, Kotlin |
| **Web Technologies** | HTML5, CSS3/4, JavaScript, jQuery, Angular 4/8/9, TypeScript, React JS, Node JS, Express JS, JSON, Swagger UI, XML |
| **Java/J2EE Technologies** | Servlets, JSP, EJB, JDBC, JSF, Swings, AWT, Applets. |
| **Spring Frameworks** | Spring Boot, Spring MVC, AOP, IOC, Spring Security, Spring Batch |
| **Application/web Server** | WebLogic Server, Apache Tomcat, WebSphere, JBOSS |
| **Messaging Services** | Rabbit MQ, Active MQ, KAFKA |
| **O-R MAPPING** | Hibernate |
| **Data base** | Oracle, DB2, MySQL, MongoDB, Cassandra, SQL |
| **Cloud Environments** | Azure, AWS, Netflix Eureka |
| **Version Control** | GIT, Bit Bucket, SVN |
| **Web Services** | SOAP – WSDL, JAX-WS, RESTful – JAX-RS, Jersey |
| **Methodologies** | Agile, TDD, waterfall model |
| **Testing Tools** | Junit, Jasmine, TestNG, Mockito, Protractor, Jenkins, Selenium, Cucumber, Log 4j2 |
| **Tools** | Kubernetes, Docker, Ansible, Apache Camel. |
| **IDE and Build Tools** | Eclipse, IntelliJ, NetBeans, Toad, SQL Navigator, Ant, Gradle, Maven |

**PROJECTS:**

**Client: LPL Financial**

**Role: Sr. Full Stack Developer**

**Duration: May 2023- Till Date**

**Responsibilities:**

* Collaborated with the team on implementing new features in an **Agile** environment.
* Building interactive modern user interfaces with **HTML5 / CSS4 and TypeScript / JavaScript, Angular.**
* Building custom advanced data visualization with D3.js.
* Developing working prototypes from UI designs and building reusable code and libraries.
* Developed custom modular components and services using **RxJS**, **NgRx**, **Angular Material**, and **Typescript** to implement key functionalities.
* Working with **Angular 9** to create web components. Developing test cases using **Jasmine and Karma.**
* Extensively used **Java8**features such as **lambda expressions**, **Parallel operations on collections**, multithreading and for effective sorting mechanisms.
* Used **Java8 features** like **Parallel Streams, Lambdas, functional interfaces,** and **filters.**
* Proficient in **Kotlin** with Java operations, enabling seamless integration in mixed-language projects.
* Built reactive **RESTful Microservices** using **Java 8** and Java frameworks **Spring Boot**, **Spring Web.**
* Used**Spring Boot** for building applications with **Spring initializers** and bootstrapping the build configuration and develop custom solutions that act upon **Jenkins** information in authentic time.
* Developed the application with various **Spring Framework** modules like **Spring IOC, Spring AOP, Spring Boot, Spring Security** and **Spring Batch.**
* Worked on **Spring quartz** for scheduling tasks to generate reports.
* Develop strategy for integrating internal security model into new projects with **Spring Security and Spring Boot**
* Implemented middle tier using **Spring WEB and Spring Boot**. Created reusable components as **spring aspects** to use across the application.
* Used **Spring Boot Actuator** to monitor and manage the application in production environment.
* Used Rest Controller in Spring framework to create **RESTful Web services** and **JSON** objects for communication.
* Design and develop **REST** based **Microservices** to support UI components.
* Implemented **Microservices** based Cloud Architecture on **AWS** Platform.
* Developed **Microservices** with **Spring Eureka** to retrieve API routes for the entire cluster.
* Used **Hibernate** as an Object-Relational Mapping ORM tool to store the persistent data and for communicating with Oracle database.
* Designed and implemented data relational mapping for web apps using **Hibernate** adaptors.
* Extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking and transactions.
* Used **AWS** cloud watch in maintaining and monitoring of production and corporate storages.
* Worked on spinning up **AWS** EC2instances, Creating IAM Users and Roles, Creating Auto Scaling groups and Load balancers and monitoring through Cloud Watch for the applications, S3 buckets, VPC etc.
* Used Spring **JPA** to design entity data mapping with **Oracle DB.**
* Created **Docker** containers and Docker consoles for managing the application life cycle.
* Managed **Docker** using **Kubernetes** and used **Kubernetes** for service discovery.
* Used **Jenkins** pipelines to drive builds to the Docker registry and deployed to **Kubernetes.**
* Experience in transferring data from different data sources using **Kafka** producers, consumers, and Kafka brokers.
* Incorporated **apache Kafka**, **Elastic** Search, **MongoDB** and **PostgreSQL** to the project.
* Used Spring **Kafka API** calls to process the messages smoothly on **Kafka** Cluster setup.
* Developed **RESTful services** using **JAX-RS**, spring frameworks.
* Developed prepared statements using **NoSQL, SQL** queries.
* Deployed the Application into **Docker** container and made easily accessible at runtime using cloud services like **AWS, Netflix Eureka** for load balancing and a broker service to maintain status **using Spring Kafka**

**and Zookeeper.**

* Use Java unit testing frameworks like **Mockito** to serve code coverage extensively. Used **Junit** for unit testing and implemented with **Log4j 2** to provide logs of exceptions.
* Used **GIT** as version control system.
* **JIRA** as the bug tracking system to track and maintain bugs/issues.

**Environment: Java 1.8, J2EE, Spring Boot Framework, RESTful Services, Microservice, MongoDB, Spring Security, Hibernate, Spring MVC, Apache Kafka, HTML5, CSS4, JSON, SASS, ES6, TypeScript, Angular 9, Oauth2, XML, JavaBeans, AWS, Docker, Oracle, SonarQube, Swagger, Elastic Search, Kibana, Netflix Eclipse, Maven, Junit, Jasmine, JIRA, GIT, Jenkins, Log 4j 2, Agile**

**Client: Mizuho**

**Role: Sr. Full stack developer**

**Duration: Jan 2022 – Apr 2023**

**Responsibilities:**

* Involved in Full Cycle of Software Development from Analysis through Design, Development, Integration and testing phases by following **Agile** Software Development with **Scrum** methodology.
* Analysing, gathering and researching the application requirements. Performed Use case design, object modelling and transformed Use Case designs into Class Diagrams and Sequence Diagrams.
* Followed **Test Driven Development (TDD)**Methodology.
* Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux, Animations**and **Flux concept**.
* Good Experience in **React.js** for creating interactive **UI's** using **One-way data flow, Virtual DOM, JSX, React Native**concepts. Familiar with creating Custom Reusable **React** **Components Library**.
* Used **Java8**features like stream and Lambda expressions. Have also worked on **Java8** along with Cold Fusion.
* Used Rest Controller in the Spring framework to create **RESTful Web services** and **JSON** objects for communication.
* Recommend and develop a strategy for integrating the **internal security**model into new projects with **Spring Security**and **Spring Boot**.
* Used **Spring IOC, AOP, and Spring Boot**to implement middle tier. Created reusable components as **spring aspects**to use across the application.
* Created and scheduled Cloud Functions and Cloud Scheduler for executing serverless functions and automated tasks.
* Implemented microservices using **Spring boot** and enabled the discovery using the **Netflix** eureka server**.**
* Used **Cassandra** clusters, and Java Scripting to load unstructured data into a sharing environment.
* Hardly **focused** on **business to consumer (B2C)** which helps in fast rectifying& resolving solutions.
* Hands on experience in **Azure Development,** worked on **Azure web application, App services, Azure storage, Azure SQL Database**.
* Skilled in writing concise and readable code using **Kotlin's** features such as type interface and lambda expressions.
* Experienced in leveraging **Kotlin's** robust null safety and type inference to prevent runtime errors.
* Using **PCF** did smoke tests, which are functional unit and integration tests on all major system components.
* Used **Azure Functions** to integrate applications and run backend processes according to schedules without provisioning/managing servers.
* **Used Azure Resource Manager (ARM)** to deploy, update, or delete all the resources for your solution in a single, coordinated operation.
* Configured the **Docker** Containers and created **Dockers** files for different environments.
* Involved in **Compilation of B2C** and Primary focus on **CI/CD** to resolve the break.
* Used **JENKINS** to improve Continuous integration (CI) and Continuous delivery (CD).
* Accountable for using **GIT** to control, track, and maintain the different versions of the project.
* Used **Prometheus** to scrap the metrics of the application and **Grafana** for the graphical representation of metrics.
* Used **Log4j** to print the logs in the **Rancher** and to store them in the **Splunk**.
* Implemented integration tests using **TestNG** and functional testing using **Selenium.**
* Extensively monitor production and pre-production Logs to identify and troubleshoot the defects using **Rancher, Splunk,** and **Dynatrace** for application performance.

**Environment: Java/J2EE, Java8, NoSQL & SQL Queries, Spring Boot, Spring, Spring Security, Restful Webservices, Microservices, Spring Hystrix**, **Docker, GIT**, **JUnit, Jenkins, Mockito, MongoDB, TestNG, Selenium, log4j, Agile Methodology, Maven, Kubernetes, Splunk, Rancher, Run Scope, PCF, Dynatrace.**

**Wipro Limited**

**Client: Thames Water**

**Role: Java Full Stack Developer**

**Duration: Oct 2018 to Aug 2021**

**Responsibilities:**

* Involved in the Full Cycle of Software Development from Analysis through Design, Development, Integration, and testing phases by following **Agile** Software Development with **Scrum** methodology.
* Developed test automation framework for a web app using Selenium RC, Web Driver Backed, and JUnit.
* Use of XPath in the context of Selenium **RC** to pick out page elements in a robust manner by avoiding index-based expressions. These **XPaths** were then abstracted behind Page.
* Object classes to provide a central point of change for any UI changes made in the application.
* Developed User Interface application modules using **HTML5, CSS3, JavaScript, JSON,** and **AJAX**.
* Used React.js with **RXJS** for building rich internet applications, and to optimize in-browser use to load the module and improve the Speed. Linked with API data to view and render **virtual DOM** dynamically.
* Used **Node.js** as a proxy to interact with Rest services and interact with Database.
* Implemented the business modules integration using **Spring** and **Hibernate data mapping**.
* Used **Spring Boot Actuator** for application's configuration properties in various environments, Upgraded Spring Rest Controllers and Services classes to support migration to Spring framework.
* Using **Spring AOP Module** to implement logging in the application for application status and deployed Spring Security for session fixation, **clickjacking**, and cross-site request forgery.
* Designed and developed custom message adapter components using **Apache Kafka** that allowed messages to travel through **Microservices** to base on RESTful API utilizing Spring Boot with Spring **MVC**.
* Developed Microservices with Spring to retrieve **API routes** for the entire cluster. Using this strategy each Microservice in a cluster can be load balanced and exposed through one API gateway.
* Developed **Entity objects** and used Hibernate the **ORM tool** to access persistent data.
* Experience using persistence frameworks like **Hibernate, and JPA for mapping java classes** with Database.
* Experience working on **Docker Hub**, creating Docker images and handling multiple images primarily for **middleware installations** and **domain configurations.**
* Worked on the creation of **Docker container images, tagging, pushing images, integrating Spring boot**, **created the Docker containers and Docker consoles** for managing the application life cycle.
* Utilized **AWS Lambda** platform to upload data into AWS S3buckets and to trigger other Lambda functions (**EC2, MongoDB**) focusing on high availability, fault tolerance, and auto-scaling.
* Involved in **configuring Elastic Load Balancer**s with Auto scaling to handle high-traffic loads.
* Worked with **Open APIs** for various coupling functionalities.
* Regression testing algorithms for functionalities. Developed various Open API’s and worked with knowledge fusion (**KF**) to successfully implement the regression testing.
* Worked on **JBoss** Application server implementation, support, workload management and performance tuning including Web server setup configuration with JBoss App Server.
* Executed data migration projects, successfully transferring large volumes of data between **Sybase** databases.
* Used Maven automated build scripts to compile and package the application and implemented **Log4j 2**.
* Implemented unique design patterns such as singleton, business factory and **J2EEdesign patterns**.
* Used **Maven as** a build and dependency management tool for creating **EAR, WAR** and **JAR** files to be deployed in application servers and integrated with **GitHub, Jenkins Jobs**.
* Used **JIRA** for bug tracking, issue tracking and project management.
* Involved in converting SQL queries into **Apache Spark** transformations using **Apache Spark RDDs** in **Scala**.

**Environment: HTML5, CSS4, Sybase, jQuery, AJAX, React.js, NodeJS, APIGEE, Java1.8, J2EE, Spring, Hibernate, Web Services, SOAP UI, XML, OpenApi, Docker, AWS, Spring Boot, Swagger-UI, Log4j 2, Selenium, Jenkins, JIRA, Maven, GIT, JBoss.**

**Wipro Limited**

**Client: Dell EMC**

**Role: Java/J2EE Developer**

**Duration: July 2016 – Oct 2018**

**Responsibilities:**

* Involved in the design and development phases of **Agile** Software Development.
* Created Responsive Layouts for multiple devices and platforms using foundation framework.
* Implemented printable chart report using **HTML5**, **CSS3**, **jQuery** and **JavaScript** for client-side validation.
* Worked on **UNIX** to move the project into production environment.
* Created Managed Beans for handling **JSF** pages and include logic for processing of the data on the page.
* Used Object/Relational mapping tool **Hibernate** to achieve object to database table persistency.
* Worked with **Core Java** to develop automated solutions to include web interfaces using **HTML5**, **CSS3**, **JavaScript** and Web services.
* Developed web GUI involving HTML5, JavaScript under **MVC architecture**.
* Developed data models and database schemas, ensuring optimal performance and data integrity.
* Implemented **RESTful** APIs for seamless integration and communication between applications and services.
* Designed and built data pipelines and **ETL/ELT** processes to ingest, transform, and load data from various sources into GCP data storage systems.
* Created WebLogic domains and set Admin & Managed servers for **JAVA/J2EE** applications on Non-Production and Production environments.
* Involved in the configuration of **Spring Framework** and **Hibernate** mapping tool.
* Monitored **WebLogic/JBoss** Server health and security.
* Created Connection Pools, and Data Sources in WebLogic console.
* Implemented Hibernate for Database Transactions on **DB2**.
* Involved in configuring hibernate to access the database and retrieve data from the database.
* Written Web Services (**JAX-WS**) for external systems via **SOAP/HTTP** call.
* Used **Log4j2** framework to log/track applications.
* Involved in developing SQL queries, stored procedures, and functions.
* Used **SVN** for Version Control.

**Environment: Java, Spring, Swing, Hibernate, JSF, ICE Faces, Hibernate, HTML5, CSS3, JavaScript, UNIX, Web Services- SOAP, WAS, XML, IBM WebSphere, IBM RAD, SVN, Log 4j2, IBM DB2.**

**Client: CA Technologies, Hyderabad, India**

**Role: Software Developer**

**Duration: May 2015– Jun 2016**

**Responsibilities:**

* Analyzed requirements and translated them into use cases, class diagrams, sequence diagrams, and data models using Rational Rose.
* Implemented the MVC design pattern, leveraging the Spring framework for structured and organized code development.
* Designed and developed interactive front-end view components using JSP and HTML to enhance user experience.
* Applied Core Spring for dependency injection, ensuring efficient management of dependencies.
* Implemented the persistence tier using the Hibernate framework for seamless database operations.
* Utilized AJAX and JavaScript to create dynamic and interactive web pages, enhancing website functionality.
* Developed SQL stored procedures and prepared statements for efficient data manipulation and retrieval from the database.
* Conducted comprehensive unit testing by creating and executing JUnit test cases.
* Configured Jenkins jobs for streamlined continuous integration and continuous delivery to the AWS environment.
* Ensured adherence to the MVC design pattern principles throughout application development.
* Utilized Maven for automated build processes and GitHub for effective source code management.
* Employed SVN for efficient source code version control.
* Developed ANT scripts and managed builds using Apache ANT for smooth project compilation.
* Mentored and trained new team members on project-related tools and languages, facilitating their onboarding process.
* Assumed responsibilities for administrative tasks, including preparing PowerPoint presentations, conducting data entry and analysis, and participating in website development and presentations.

**Environment: Struts, Hibernate, Servlets, JSP, JMS, CVS, JavaScript, Ajax, JUnit, Tomcat, Oracle 10g, ANT, SVN.**

**Education:**

**Master of Science**: Management Information System, The University of Memphis, Aug 2021 to Dec 2022.

**Bachelor of Technology**: Computer Science, JNTUH, Hyderabad, Sep 2011 to Apr 2015.