**Mounika S +1 704705-9603**

**FULL STACK JAVA DEVELOPER e-mail :mounika.officialmail@gmail.com**

# **PROFESSIONAL SUMMARY:**

* Around 8+ years of experience in all the phases of **SDLC** includes Requirement Study & Analysis, Design, Development, Integration, maintenance and testing of various client/server applications along with Enterprise and Distributed applications.
* Expertise in environment building n-tier applications using **JAVA**, **J2EE**, **MVC Framework**, **Spring Boot**, **Spring**, **Hibernate**, **Angular JS**, **Oracle**, **SQL**.
* Expertise and good understanding in **Java** programming, **OOPs, Collections, Annotations, Concurrency, Multi-Threading, Exceptions Handling, Input/output (I/O) System, Lambda and Generics.**
* Experience in developing **Micro-services** using **Spring Boot** to build more physically separated modular applications which will improve scalability, Availability, Agility of application.
* Experience with **SOAP web services, WSDL** and **Restful web services**.
* Expertise in implementation of JAVA application data access tier with **JDBC, SQL**, etc. and manipulating databases e.g. **Oracle 11g**, **MySQL, MS SQL** etc.
* Hands on experience in the implementation of Core **Java SE 8** concepts like **StreamsAPI**, **Lambda** functions, **Generics, Time API**, Functional Interfaces Multithreading, Transaction Management, Exception Handling and **Collection API**.
* Worked on **Airship** to develop, support, and optimize semantic data layers used for self-service reporting. Perform ad-hoc analyses for stakeholders on a variety of teams, including product, marketing, and engineering. Collaborate with product and engineering to ensure that the requisite data is being collected to answer questions, drive business decisions, and inform the market.
* Hands on experience in developing applications using **MVC Framework** Struts with Struts validation, Struts Tiles, Struts Tag Libraries, Action Class and Action Form.
* Experience in using version control and configuration management tools like **GIT** and **CVS**.
* Experience in setting up **Jenkins**server and build jobs to provide continuous automated builds based on polling the **Git** source control system.
* Expertise in AWS **management** console as well as the **AWS command line interface (CLI)** AWS reference architectures and should have experience gathering requirements, working with customer to define solutions based on **AWS.**
* Expertise in securing the application using form-based authentication using **HTML**, **JavaScript**, **jQuery**, and **CSS**.
* Implementing or exposing the Micro service architecture with Spring Boot based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Knowledge in developing Single Page Application (**SPAs**) using multiple **JavaScript** frameworks like **AngularJS** and **NodeJS**.
* Proven hands-on Software Development & implementation experience on **Rest API** preferably in Big Data Stack
* Expertise with employment of **Spring Kafka** and **Zookeepe**r apart from **JMS** as messaging service.
* Implemented the **REST** based **Micro services** using theSpring Boot, JAX-RS, Spring Data with **JPA** (Java Persistence API) and Used Swagger to interact with API endpoints of the micro services.
* Developed **Micro services** using **Spring Boot, Spring Cloud with Netflix** Eureka to create the Discovery Server, service, discovery clients and integrated Apache Kafka and Zookeeper as message Broker.
* Experience in Core **AWS** services, including networking with **VPCs**, **computing with EC2, storage with S3,** Elastic Load Balancing, RDS for databases, monitoring with CloudWatch, CloudTrail, and access management with IAM
* Worked on **SRE Tools** like **Monitoring and Alerting** and configured alert and created metrics in **AWS.**
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Language** | Java 7, Java 8, Java 11, C, C++, SQL, PL/SQL, UML, Design Patterns |
| **Application Servers** | Web logic, IBM Web Sphere, Tomcat |
| **Technologies** | Servlets, JDBC, Struts, Hibernate, Spring BOOT, IOC, AOP, MVC, JSON, JMS, MQ, JBOSS, ORM |
| **Web Services** | Restful, SOAP, Apache-Tomcat, AWS (Amazon Web Services), Microservices |
| **Web Technologies** | HTML, JavaScript, AJAX, JQUERY, Angular JS, CSS3, HTML5, XHTML, DHTML, React JS, Bootstrap, |
| **Database** | Oracle 9i/10g/11g, PL/SQL, MySQL, SQL Server 2008, MongoDB Web/Applications Servers, JBoss, DynamoDB |
| **Build Tool** | Ant, Maven, Gradle, Jenkins |
| **Testing** | Junit, QUnit, JMock |
| **IDE Tools** | Eclipse3x, IntelliJ, Atom, WebSphere, Dreamweaver |
| **Version Control** | GIT, SVN, CVS, Docker |
| **Cloud** | AWS (Amazon Web Services), GCP (Google Cloud Platform) |
| **Operating Systems** | Windows, Mac OSX, Linux, Unix |

# **PROFESSIONAL EXPERIENCE:**

**JP Morgan Chase, Washington, NJ July 2021 – Till date**

**Sr. Java Developer**

**Responsibilities:**

* Designed and implemented robust **CRUD** functionality in a Spring Boot application, providing seamless data manipulation capabilities.
* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application developed using Agile methodology.
* Utilized **Spring Data JPA** to interact with the underlying **database**, ensuring efficient and reliable data storage and retrieval **operations.**
* Infrastructure design for the ELK Clusters.
* Developed **RESTful APIs** for **CRUD** operations, adhering to industry best practices and **RESTful** principles to maintain a clear and consistent **API** structure.
* Implemented RESTful APIs in Java to enable seamless communication between frontend and backend systems, improving data exchange efficiency. Implemented **Spring JPA Repository** for the persistence layer of the application (this layer communicates with the application DB - Oracle DB).
* Kafka integration with Spark using Spark Streaming API.
* Extensively used **Liquibase** powerful database migration tool to manage and automate schema changes.
* Designed and implemented database change **log files** using **Liquibase's** **XML** and **SQL** formats, ensuring accurate and repeatable database deployments.
* Collaborated with the team to create and maintain a **version-controlled** repository of database change log files, enabling seamless collaboration and tracking of database changes.
* Successfully executed **Liquibase scripts** to apply database changes across **various environments** ensuring **consistency** and **reliability**.
* Implemented **rollback scripts** using Liquibase to handle unexpected issues during deployment, providing a robust safety net for database changes.
* Experienced in writing **Gherkin** that can be understandable by **Cucumber**.
* Worked on distributed caching using **Redis** **Cluster** enhancing the application's scalability and high availability and worked on cache invalidation strategies to keep **Redis** cache in sync with the underlying data source, maintaining data integrity throughout the application.
* Successfully migrated on-premises **API** **codebase** to **AWS**, utilizing **AWS** **services**, refactored **API** **endpoints** and configurations to integrate seamlessly with **AWS** services, such as **Amazon ECS**, **Amazon RDS** and **DynamoDB.**
* Leveraged AWS **CloudWatch** or **AWS X-Ray** for **monitoring** and logging **API** performance and tracing, facilitating proactive issue detection and troubleshooting.
* Conducted comprehensive testing, including integration testing, load testing, and performance testing, to verify the functionality and reliability of the modified JSON XML on **AWS** using **Jmeter** and **Blazemeter**.
* Used Elasticsearch for powering not only Search but using ELK stack for logging and monitoring our systems end to end Using Beats.
* Utilized Spring Security's method-level security to control access to specific methods or endpoints based on user roles and permissions.
* Use **Spring Boot** with Annotations in integrating different layers within the application.
* Data Operations were performed using **Spring ORM** wiring with **Hibernate.**
* Developed a custom **API** for **Kafka** to simulate producer behavior, facilitating end-to-end testing and validation of **Kafka**-based systems and designed API endpoints to generate and send **Kafka** messages with various payloads and headers, simulating real time scenarios from various SOR’s
* Implemented logging and **monitoring** features in the **Kafka** **producer** **API** to track message generation and publishing activities for debugging and analysis and documented the API's usage, configuration, and best practices to facilitate knowledge sharing for team members
* Developed comprehensive **JUnit** test suites for Spring applications, covering critical components and ensuring test coverage based on require standards and leveraged **Mockito** to create mock objects and simulate dependencies, enabling isolated and reliable testing of individual components.
* Implemented integration tests using Spring Runner, validating end-to-end functionality and verifying the seamless interaction between different application layers.
* Utilized code coverage tools like **SonarQube** and **CoverageGuru** to measure and improve test coverage, ensuring critical parts of the codebase were thoroughly tested
* Designed and created interactive dashboards in **Datadog** and **CloudWatch**, providing real-time visibility into system performance and operational data.
* Worked with tools like **Terraform** to automate the deployment of monitoring resources in **Datadog** and CloudWatch.
* Designed and Developed Automation Framework in Selenium WebDriver using behavior driver approach like Cucumber BDD
* Worked on Scala for implementing spark machine learning libraries and spark streaming.
* Conducted deep-dive analysis of logs and traces in **Datadog** and **CloudWatch** to gain insights into application behavior and diagnose complex issues and deployment issues.
* Leveraged **Datadog's** log management and **CloudWatch** Logs Insights to aggregate, search, and analyze **log data** for rapid issue detection and resolution.
* Tracing the metrics in **Datadog** and **CloudWatch** **X-Ray** to gain **end-to-end** visibility into **microservices**-based architectures and conducted training sessions for the team to educate them on the usage and benefits of **Datadog** and **CloudWatch**.
* Developed custom exporters and integrations to send OpenTelemetry data to **DataDog** and **CloudWatch** or **Prometheus**

**Environment:** Java 11, Hibernate, Microservices, Servlets, JavaScript, BlazeMeter, Maven, JSON XML, JUnit, GIT, Log4J, MVC, Agile methodology, JIRA, Restful, Spring Boot, Spring Security, MVC, Spring scheduler, AWS, Docker, DataDog, CloudWatch, Jules, JMeter, Jenkins

**Goldman Sachs, San Francisco, CA March 2019 – June 2021**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Working at the highest technical level of all phases of custom application development
* Developed the **UI using JSP, HTML, CSS, angular JS, node.js and JavaScript**.
* Worked and Administer the new **Angular** based website.
* Used MSK to scale up storage in cluster using the **AWS** Management Console or the **AWS** CLI.
* Responsible for understanding the scope of the project and requirement gathering.
* Used **REST FULL API** gateway to communicate with another web API.
* Implemented **API** Gateway caching to improve performance and reduce backend load by caching responses and handling request throttling.
* Responsible to designing and deploying new ELK clusters (Elasticsearch, logstash, Kibana, beats, Kafka, zookeeper etc.
* Excellent communication and collaboration skills, with experience in working with cross-functional teams, stakeholders, and clients to deliver high-quality Java 11 and Tomcat applications. Involved in rendering additional components with custom **HTML** tags using **ReactJS**.
* Implemented **RESTful** **Web Services** to retrieve data from client side using **Micro Services** architecture and used **SNS** for monitoring **AWS Cloud** resources.
* Experience in **AWS cloud** infrastructure database migrations, **Postgresq**l and converting existing **ORACLE** and **MS SQL** Server databases to **PostgreSQL**, **MySQL** and **Aurora.**
* Worked with **JMS** **Queues** for sending messages in point-to-point mode.
* Implemented Infrastructure automation or serverless **Kubernetes** to eliminate routine tasks like provisioning, patching, and upgrading.
* Design Cucumber framework for web/service-virtualization; perform manual and Cucumber testing of a web based application
* Developed Data Ingestion application to bring data from source system to HBase using Spark Streaming, Kafka.
* Deployed a **Kubernetes** cluster with **Terraform**.
* Worked in container-based technologies like **Kubernetes** and **Openshift**
* **Used Terraform to build and provision the architecture of a team.** This involved writing modules for a variety of services such as **APIs**, queues, functions and others.
* Used **Terraform** to automate system operations. Handled work from initial stage of development to create branches, make developers follow standards creating build scripts, labelling, automating the build process and deploy process by using **Jenkins** plugins.
* Involved in writing stored procedures in **Oracle for database** side validations, as well as functions and queries in Postgres database.
* Used **Spring Scheduler** for scheduling patient appointments for all Physicians on primary Clinic telephone system. Provides excellent customer service to patients always.
* Integrating and using leading open source tools such as **AngularJS, JQuery etc.**
* Used **AJAX** for asynchronous communication with server along with Implementation amp; design of bean orchestration.
* Utilized Hibernate for Object/Relational Mapping purposes for transparent persistence onto the SQL Server database.
* Actively involved teams using big data technologies for persisting the data into different back end databases.
* Used **AWS RESTFULL API** gateway to communicate with another web **API**.
* Extensively used **log4j** to log regular debug and exception statements.
* Built Jenkins jobs to Create **AWS** infrastructure from **GitHub** repos containing **terraform** code.
* Developed **API** for using **AWS Lambda** to manage and run the code in the AWS.
* Used **AWS** Cloud platform and its features which include **EBS, SQS, SNS, RDS, EBS**, and setting up new server **(EC2)** instances/services in **AWS**
* Developed independent **Microservices** using **Spring Boot Rest Controller** model and are deployed on UNIX boxes.
* Employed **Spring Boot** for initialize and bootstrapping the build configuration for the boot-based web applications.
* Development of cloud hosted web applications and **REST APIs** using **Spring Boot** with embedded Tomcat.
* Used ELK (Elasticsearch, Logstash and kibana) for name search pattern for a customer.
* Worked on **Spring Security** for application authentication.
* Designed and implemented ETL job restart ability using Checkpoints and optimal package design techniques in SSIS.
* Skilled in working with **NoSQL** data stores like **MongoDB, Cassandra**, or **Couchbase** for handling unstructured and semi-structured data.
* Extensively Used **Jenkins** as Continuous Integration tools to deploy the Spring Boot **Microservices** to Pivotal Cloud Foundry (PCF) using build pack. Used Pivotal Cloud Foundry to quickly build, deploy and update the applications.
* Hive external tables are created mapped to the data stored in the HDFS and Hive tables are accessed using Spark SQL.
* Utilized Hibernate for **Object Relational Mapping (ORM)** purposes for persistence on to the database.
* Used **Apache** **Kafka** as a messaging layer.
* Good experience in **Apache Kafka** messaging system and implementing Kafka clusters.
* Followed the Agile methodology to implement the application
* Created **Spring framework** to pull processed data from big data technology **HDFS** and push it to Highcharts.
* Expertise in applying the latest development approaches including **MVC framework** in the browser, event-driven development using **AJAX,** single page applications.
* Used **Ajax, JSON** to send request to the server to check the functionality of the websites.
* Using **GIT** and Update Daily task in Rally to the **Agile Methodology**.
* **Docker** Containers were used to allow a developer to package up an application with all of the parts it needs, such as libraries and other dependencies, and deploy it as one package.
* Used **GIT** for version controlling and regularly pushed the code to **GitHub**.

**Environment:** Java 1.7, Spring Boot Micro Services, Spring MVC, Hibernate, XML, SOAP, REST, MySQL, Kafka, Docker, AWS, ReactJS., JUnit, GIT, Log4J, Docker, RabbitMQ Apache Tomcat 8.0, Angular 7.

**Thrivent Finance, Minnesota, MN Jun 2017 – Feb 2019**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in complete software development life cycle with object-oriented approach of client’s business process and continuous client feedback. Worked on designing and developing a complete service-oriented system based on **SOA** principles and architecture in agile development environment.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Used **Spring DAO Module** along with Hibernate Framework to deal with Database.
* **Spring MVC Framework IOC (Inversion of Control)** design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code.
* Proven ability to adapt to new technologies and learn quickly to meet project requirements and deadlines.Involved in development of **REST Web Services** using **SPRING MVC** to extract client related data from databases and **SOAPUI** tool is used for testing **RESTFUL API** web services.
* Familiarity with Service oriented architecture **(SOA)** by developing and consuming **Restful** web services based on **Jersey**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Designed and developed custom message adapter components using Apache Kafka that allowed message to travel through **Micro services** to base on **RESTfulAPI** utilizing Spring Boot with Spring **MVC**.
* **Prior SharePoint** migration experience from an existing platform or olderSharepoint version.
* Building and integrating custom applications within **Rally**
* Developed Custom Tag Libraries for the use in web pages by using **JSTL** packages for the development of the Web Pages.
* Worked on importing and exporting data into **HDFS/Hadoop** and assisted in exporting analyzed data to **RDBMS**.
* Worked on highly advanced user interface design and development using Angular2, Node JS, ES6, **HTML**, **CSS** and **Bootstrap**
* Integrated **Spring Security** with **JDBC** to manage user registration and login
* Created all cloud formation templates in setting up **DEV**, **QA** and **UAT** environments using **AWS** Cloud formation and leveraged Elastic container services to run Docker micro services in **AWS**.
* Used **Maven** for dependencies and configuration management.
* Performed statistical data analysis routines using **Big data** and **Java API's** to analyze data using.
* Involved in working with **Eclipse** Environment. Unit tested application using **JUnit, Log4j** for logging and debugging and built the package-using **Maven** and deployed the application on to the **WebSphere** Application server.
* Used **Angular.js** and **NodeJs** to create Views to hook up models to the DOM and synchronize data to from server.
* Used **GIT** for version control.
* Used **MVC** as an interface layer for management of user interactions within the application and presentation of data controls and operational results.
* Interface MVC coding is completed using **My Faces JSF** and additional view component libraries, including **AJAX**-capable components/API’s within the **Ice FacesJSF** framework/library.
* Involved in using **JMS** for interposes messaging.
* Used **LDAP** for authentication purpose and **dom4j** for **XML** parsing.
* Created and managed Git repositories in **Bitbucket**, handling code branching, merging, and conflict resolution.
* Collaborated with team members using **Bitbucket's** pull request feature, reviewing and approving code changes.
* Worked on **Junit** for creating test cases for all the Business Rules and the application code.

**Environment:** Java 1.7, ORM, Oracle 10g, Hibernate 3.0, GIT, Agile methodology, EJB 3.0, JMS, LDAP, HTML, jQuery, JavaScript, Apache, Servlets, Spring 3.2, Hibernate 3.5, Spring MVC, SOA, RESTful, Junit, Webservices, Junit.

**Equifax, Atlanta, GA Aug 2016 – Apr 2017**

**Java/J2EE Developer**

**Responsibilities:**

* Closely worked with Business users and Business Analyst to gather requirements.
* Responsible for overall design & analysis of **UI components** and integration with existing **J2EE**
* Involved in the analysis & design of the application using UML with Rational Rose.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Tool Suite.**
* Designed GUI of the project using **HTML, JavaScript, Linux, jQuery, CSS** to improve visual effect on the dynamic front-end
* Used **Struts Framework** in the application, which is based on MVC design pattern.
* Developed and maintained web applications using Java 7 and popular frameworks such as Spring, Struts, and Hibernate.
* Extensive use of **HTML, JSTL, JSP and JQuery** for the presentation layer along with Java script for client -side validation.
* Developed Custom Tag Libraries for the use in web pages by using JSTL packages for the development of the Web Pages.
* Annotation based Hibernate beans developed to eliminate the mapping XML files
* Designed and implemented of **Spring-Security** for the application for authentication process against **LDAP, J2EE** pre-authentication and Database
* Used **UML** for developing Use Cases, Sequence Diagrams and preliminary Class Diagrams for the system and involved in low-level design.
* Used Jenkins plugins for code coverage and also to run all the test before generating war file
* Created prototypes in **HTML, JavaScript and CSS** for different **UI pages**
* Implemented the integration with the back end system with web services using SOAP
* Developed Application controllers, Business and Data service modules for the web applications.
* Used JNDI to lookup for the data sources required and used Eh cache for general purpose caching.
* Worked on SOA/Web Services and created request and response WSDLs
* Used Design Patterns like Factory, Singleton, Value Object and DAO pattern.
* Designed tables in **Oracle 10g** database and worked with Database Developers for implementing Stored Procedures in the application
* Created jar files, compiled them, and run those using **Maven scripts.**
* Assisted Database Developers using SQL for managing data associated with the tables.
* Used **JSON** to load data into **JQUERY** data grid.
* Used JSON as response type in **REST** services.
* Involved in Performance and SQL Query Optimization.
* Used **JBOSS** for developing and deploying the application.
* Developed the business layer logic and implemented **EJBs** Session beans
* Debugging and troubleshooting any technical issues while implementing the applications.
* Monitored the **error logs** using **Log4J** and fixed the problems.
* Developed Maven scripts for the build and deployment of J2EE components in application server
* Involved in designing test plans, test cases and overall Unit testing of the system on Eclipse environment.
* Involved in using **ORM** tools and technologies.
* Involved in Agile scrum meetings.

**Environment:** Java, ORM, IntelliJ, Oracle 11g, Spring 2.5, Hibernate 3.0, Maven, XML, SQL, Angular js, JDBC, UML, JUnit, JMeter, CVS, web services (JAX-RS), Log4J, Agile, JSON, JBoss**,** Agile methodology.

**Navayuga Infotech, Hyderabad, India Apr2014– Nov2015**

**Junior Java Developer**

**Responsibilities:**

* Performed validation for client side and server side with the help of Struts Validation Framework
* **Created XML Schema, XML template and XSL.**
* Extensively used Eclipse IDE for building, testing, and deploying applications.
* Developed the whole framework for the projects, based on **Struts MVC** & **Spring MVC**.
* Developed **Web Services Application using SOAP and WS-Security.**
* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Created, executed, and monitored **Java unit** and **automation tests** within framework
* Developed controllers, repositories, Service modules, form beans and validations.
* Developed beans and persisted bean in the database using **JDBC and Hibernate**.
* Involved in connecting bean with database using Hibernate configuration file.
* Involved in development of Spring DAO layer which invoked database queries.
* Involved in using Oracle application server.
* Involved in development of **GUI** for Pre-Screen, Valuation, and master’s Modules.
* Written Junit tests for unit level, functional level test cases.
* Involved in development of the application, writes use cases and serves as a primary contact with QA on **testing support** and fixed bugs reported by QA for the software.
* Conducts component level systems design and develops prototypes and unit and integration testing
* Critical to planning and overseeing our software development activities, leading teams against competing deliverables, and actively identify issues/bringing them to quick resolution.
* Involved in designing responsive coding for mobile devices.
* Involved in using **ORM** tools and technologies.

**Environment:** Java, Struts 1.2, Web Sphere, Oracle, Spring, AOP, Hibernate, JBOSS, ORM, Eclipse, Maven, JUnit, JSON, MVC Pattern.