**Siddharth Reddy**

**Full Stack Java Programmer | AWS Cloud Operations (**

**Passport Number: R8251293**

**PROFESSIONAL SUMMARY:**

* 13+ years of IT experience in Java in different phases of software development life cycle (SDLC), which includes design, integration, development, implementation, interaction, business analysis and modeling along with documentation, texting and deployment of all software applications.
* Experience of working in Agile environments and Agile SCRUM methodology.
* Proficient in design and development of web and J2EE applications using **Core Java, JSP, JSF, CSS, Servlets, EJB, JavaScript, Spring, JDBC, JNDI, JMS, SWING, HTML/DHTML, XML and Struts framework** and Web Services (**SOAP, RESTful**).
* Use of Node.js to process the incoming data for every level and then generate documents and even saving them to the graph.
* Mid end development of Object-Oriented programming usage of java 8 as well as Spring/Hibernate ORM
* Have worked on package.json to manage the dependencies and as well as the dependencies of the node.js applications.
* Used JavaScript and angular.js to develop the front end.
* Proficiency in implementing **multi-threaded** applications and in using design patterns like Factory Method, MVC and DAO patterns in software design.
* Good experience in designing MVC based web applications using **Struts**along with hands on experience in **Restful Web Service**
* Successfully designed and developed **Java Multi-Threading** based collector parser and distributor process, when the requirement was to collect, parse and distribute the data coming at a speed of thousand messages per seconds.
* Experience in working in a cloud infrastructure such as AWS Lambda.
* Experience utilizing tools in N-tier and Microservices architecture applications using Spring Boot, Spring Cloud config, OSS components (), AWS, Kafka, My SQL, Restful Web Services.
* Experience in using IDE Eclipse for debugging and using the java coding standards from the beginning of the development.
* Hands-on experience with Web/Application servers like **IBM Web Sphere, IBM Web Sphere ESB (Enterprise Service Bus), Web Logic server, Apache Tomcat, JBoss.**
* Extensive experience in working **IDE** tools like **Eclipse, Net Beans, RAD, WID (Web Sphere Integration Designer).**
* Good experience in **Amazon Web Services (AWS)** environment and **AWS services** like Elastic Compute Cloud (EC2), Elastic Load-balancers, Elastic Container Service (Docker Containers), S3, Elastic Beanstalk, Cloud Front, Elastic File system, RDS, DMS, VPC, Route53, Cloud Watch, Cloud Trail, Cloud Formation, IAM.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Created Development Environments in Amazon Web Services using services like VPC, ELB, EC2 and RDS instances
* Well versed with AWS scalability platform and its dimensions which include EC2, S3, VPC, EBS, ELB, and ROUTE 53.
* Configuration management using **Amazon Cloud Formation, Continuous integration with Jenkins** and Bamboo. **AWS** management (**EC2, EBS, ASG, RDS, R53**)
* Well versed with Docker container service.
* Worked with Configuration management tool **Puppet** that is used to manage Linux servers.
* Creating snapshots and **Amazon machine images (AMIs)** of the instances for backup and creating clone instances.
* Optimized volumes and **EC2** instances & created **multi-AZ VPC** instances.
* Experienced in creating Amazon **EC2** instances and setting up **security groups.**

****TECHNICAL SKILLS:****

|  |  |
| --- | --- |
| **Programming Languages** | Java, J2EE, SQL, HTML, XML |
| **Operating System** | Windows Server 2008, 2012 & 2012R2, MAC OSX |
| **Databases** | MS SQL Server 2008, 2012, 2012R2 & 2016, My SQL, SQL Server, NOSQL. |
| **Cloud Environments** | AWS Services |
| **Application/Web Servers** | Web Logic, Apache Tomcat, AWS (EC2, S3, VPC, ELB, IAM, Cloud Watch, Cloud Formation. |
| **Load Balancers** | AWS-ELB |
| **Tools** | JUnit, Log4j, Jmock, ANT, Maven. |
| **AWS services** | EC2, ELB, VPC, RDS, IAM, S3, SNS, SQS, EBS |
| **IDE** | Eclipse, Spring Tool Suit, IntelliJ, Visual Studio Code |
| **Web Programming** | jQuery, JavaScript, Bootstrap, AngularJS, NodeJS, CSS, HTML4, HTML5, JSON, |
| **XML Technologies** | XML, SOAP. |
| **Frameworks** | Struts 1, Hibernate3.0, spring 2.0(Dependency Injection, Spring MVC, Spring Core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate) |
| **Microservices** | Spring Micro Services, Spring boot. |

**PROFESSIONAL EXPERIENCE:**

**FreddieMac/Capco, Dallas**

**September 2023 to Current  
Sr. JavaFullStack Engineer**

**Project: Integrated Loan Servicing (ILS)**

**Recognizing the need for a better customer experience during asset management and loan servicing. Developing a new application for Loans and Bonds portfolios which have been as a part of migration from legacy systems to the new reporting system of the Multifamily. Data integration to allow continuing functions and other reporting functions of downstream systems. Creating different workstream systems for Loans and Bonds. Developing a new UserInterface to segregate and maintain different portfolios as a part of migration.**

**Responsibilities:**

* Used Agile methodology all along the project.
* Usage of Kanban board to keep track of stories and sprint work.
* Involved in developing the existing framework of the project and adding new functionalities which will improve the scope of the application.
* Worked on writing APIs to call and fetch different data modules from other downstream system databases.
* Creating API endpoints based on business functionality.
* Working on MongoDB as a part of core development and supporting the application at a production level. Usage of Mongo database for trouble shooting production issue and providing resolution on the go/live.
* Worked on front end scripting using Angular 15 as a part of the UI development.
* Usage of Kiali to monitor real time logs for any servicer reports who are using the portfolios to keep track of the loans/bonds.
* Usage of Kibana to monitor real time logs and history logs for identifying loan details and reporting details to then go and retrieve data from the production Database based on the issue.
* Working on increasing code coverage to meeting the security standards adhering the team/company policies.
* Usage of Fortify scan, Foss scan and Sonar cube reports and keeping the risk levels to minimum at code level for passing the security tests in the Jenkins pipeline.
* Working on developing business stories from scratch based on the business requirements using Java 17 and spring boot microservices.
* Used Jenkins as a CI/CD tool for code deployment.
* Used postman for testing API functionality such as Put, Post, Delete, Insert, Get. Importing postman collections.
* Worked on the on-call support 24/7 as a part of production support for the application.
* Good working knowledge on working on virtual machine for instance VMware being the current one in the team.
* Maintaining different environments for MongoDB, one for dev and one for Prod.
* Good knowledge on trouble shooting loans/ data if stuck in retry queues.
* As a part of automation testing, good knowledge on Cypress Automation to deploy and test code using VS code editor and IntelliJ.
* Active part of code review of other team members and providing suggestions and improvements and code approvals.
* Following static code analysis to view the vulnerabilities in the form of pdf and fpr files.
* Extensive knowledge on writing unit test cases. Writing small and specific tests by heavily using helper functions, parameterized tests, powerful assertions and also not overusing of variables. Asserting only what’s relevant and avoiding one test for all the corner cases.
* Writing self-contained tests by revealing all relevant parameters, inserting of data right into the test and prefer composition over inheritance.

**Environment**: CI/CD Jenkins, SourceTree, Bitbucket, SDLC cycle, Agile/Scrum, Kanban ,Java,11 and 17 J2EE, API microservices, MongoDB, Angular Scripting, JSON, Kiali, Kibana, Xmatters(for production support), Foss, Fortify Sonar Cube, Postman, IntelliJ, VS Code, Gradle, Maven.

**NewYork State/Deloitte, Florida**

**March 2023 to September2023**

**Sr. JavaFullStack Engineer**

**Project: NextGen Accelerator**

**Developing a new framework entirely from scratch on top of a Spring Boot framework. This framework should be helping the developers to focus mainly on the business logic leaving aside the boiler plate code to be handled by the framework. This framework has been built from the perspective of developer first mentality and also have abstracted many functionalities and have given out of the box implementation.**

**Responsibilities:**

* Used Agile methodology along the project.
* Worked on designing the framework of the project which includes the root project, web module and client module.
* Involved in developing the root project which can have multiple sub modules depending on the project requirement from the client.
* Involved in design and development of the web module which contains the resource API and all business logic.
* Involved in business discussion for developing the Client module which will have the resource API contacts, request response POJO’s enums and other utility class.
* The project will be published in such way that the other project can reuse the files.

**Environment**: CI/CD, Gitlab, WebLogic, AWS services, SDLC cycle, Agile/Scrum, Java, J2EE, API microservices, PL SQL, Java Script, JSON, Terraform

**StateStreet Financial/TCS, Boston**

**September 2022 – February 2023**

**Sr.JavaFullStack Engineer**

Project: State street mortgage lending application

**Responsibilities:**

* Usage of Agile methodology all along the project.
* Worked on design phase of the project.
* Developing java modules and workflows using Spring MVC, Rest API.
* Involved in spring planning sessions for user efforts.
* Used spring boot for radical building of cloud microservices.
* Experience on migration of legacy code.
* Performing impact analysis, design and estimates for enhancement of the application.
* Expertise in using JSP servlets, JDBC, Rest API, Spring Boot, Mavern.
* Working on AWS services such as ECS, EKS, Cloudwatch, IAM roles, Secret Manager, EC@ instances.
* Managed docker organization and docker containerization using Kubernetes.
* Using Kubernetes to orchestrate deployment scaling and management of docker containers.
* Used AWS glue during data transformation and also to validate and cleansing of data.
* Used AWS glue with the help of crawler to retrieve data from S3 bucket for performing SQL query operations.
* Implementation of microservices to process messages into kafka setup.
* Implementation of kafka produces and also consumer applications on kafka.
* With the help of kafka reprocessing of failure messages are done using the offset id.
* Used spring kafka API calls for processing the messages without any issues on the kafka cluster setup.
* Good experience on kafka partitioning messages and then setting up the replication factors in kafka cluster.
* Participated in the design and develop process for AWS glue for migration of data from an external source such as S3 in the project into AWS redshift.
* Working on logging mechanism using log4j.
* Working knowledge on the CI/CD pipeline using Jenkins.
* Knowledge on SOA and SSL certs, testing protocols.
* Focused on containerization and immutable infrastructure. Docker has been the centre to this experience along with Mesos, Marathon and Kubernetes.
* Experience in code maintenance tools such as SonarCube, NexusIQ, bitbucket, Oracle WebLogic Server, terraform.

**Environment**: CI/CD, Gitlab, WebLogic, AWS services, SDLC cycle, Agile/Scrum, Java, J2EE, API microservices, PL SQL, Java Script, JSON, Terraform

**Ally Financial/DMI Financial, Charlotte**

**May 2021 - June 2022**

**Sr.Java/Devops Engineer**

Project: Ally Auto Online Services (AAOS)

Description: AAOS is an online auto service application used for online payment services at the auto category provided by Ally Financial Group.

**Responsibilities**:

* Used Agile methodology all along the project.
* Complete working knowledge on the Jenkins pipeline
* Responsible for Jenkins administration involving system configuration, upgrade, maintenance, and user management.
* Support users with Project and Repository setup in Bitbucket
* Configure Bitbucket with right user group/role permissions
* Bitbucket plugin and License management
* Keeping the system healthy and up to date by regular application upgrades and database backup maintenance.
* Setup CloudWatch and Datadog alerts to monitor the applications health and performance from dev to production.
* Worked with System Engineers, QA, business and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
* Implemented near real time data pipeline using framework based on Kafka.
* With the help of kafka a public and subscribe messaging system to create topics using consumers and produces to ingest data inside the application to process the data and then create Kafka topics for application and system logs.
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
* Extensive experience using **MAVEN** as build tool for building of deployable artifacts (JAR, WAR & EAR) from source code.
* Good knowledge on elastic search to identity the Kafka message failure scenarios.
* Usage of different quality control tools such as NEXUS IQ and Sonar Cube.
* Developed and maintained web applications using both Struts 1 and Struts 2 frameworks, adhering to MVC architecture principles.
* Designed and implemented Action classes, form beans, and validation using Struts 1 framework, enhancing application performance and user experience.
* Implemented Struts 2 components such as Actions, Interceptors, and Results to manage application flow and integrate with modern front-end technologies.
* Integrated Struts tags (<html:form>, <s:form>, etc.) with JSP pages to streamline user interface development and improve maintainability.
* Implemented server-side validation and client-side validation using Struts validation framework to ensure data integrity and security.
* Collaborated with cross-functional teams to deliver robust and scalable solutions, ensuring adherence to project timelines and quality standards.
* Conducted code reviews and mentored junior developers in best practices for Struts 1 and Struts 2 development.
* With help of Nexus IQ improvement of component usage in supply chain which in turn helps in process automation. By doing this shall be able to achieve accelerated speeds for delivering the product with improved quality.
* Usage of sonar type lifecycle to continuously monitor issues at every stage of the dev lifecycle also identifying potential issues along the way.
* Migration from Jenkins to Gitlab as a part of future roadmap
* Designed and implemented robust Session Beans, Entity Beans, and Message-Driven Beans to encapsulate business logic and facilitate seamless data access across multiple projects.
* Integrated EJBs with JPA (Java Persistence API) for efficient data persistence and retrieval, enhancing application performance by 30%.
* Implemented declarative and programmatic transaction management strategies, ensuring data consistency and integrity in high-volume transactional systems.
* Enhanced application security by implementing EJB security annotations (@**RolesAllowed**, @**PermitAll**) and integrating secure communication protocols (SSL/TLS).
* Implementing and maintaining splunk platform infrastruction and configuration
* Use of AWS services in deployment of microservices.
* Experience in maintaining and creating security groups, VPC, Dynamo DB, S3, SNS.
* Setting up Jenkins master and slave for the entire team.
* Deployed JAR, WAR files on server using Jenkins auto-deployment.
* Experience in web logic server.
* Experience in using different tools such as SonarCube, NexusIQ, bitbucket, Oracle WebLogic Server, terraform.
* Managing the entire CI/CD pipeline and fixing the issues during any API services deployment failure.

**Environment**: CI/CD, Gitlab, WebLogic, AWS services, SDLC cycle, Agile/Scrum, Java, J2EE, API microservices, Python, PG Admin4, PL SQL, Java Script, JSON, Terraform

**Neiman Marcus Group/TCS, Dallas**

**August 2020 – February 2021**

**Java/AWS Developer**

**Project1:** PLCC Information Vault (PIV)

**Description**: NMG along with Capitol One have worked on developing a secure gift card payment service to be used by the end customer in terms of an e commerce purchase on Neiman Marcus websites along with other areas of purchase. For developing this payment service as a part of the second phase there has been an application (PLCC) integrated into the system between NMG and Capitol One as to send and receive daily feed files as a part of the ongoing process for both inbound and outbound.

**Functional Overview:**

An ETL batch interface where consumer account data, card level data is extracted from Capital One TSYS via AURUS. Data is also inbound from ReSA, Oracle HR, InCircle points and statement files. The data from these daily full files will be loaded to the staging tables on the PLCC Information Vault (PIV). The staging tables in PIV are: Account Staging Table, Card Level Staging Table, ReSA Staging Table, Employee Staging Table, Statement Staging Table and Points Staging Table.

AWS lambda functions which will read the files from the S3 bucket, where consumer account and card level data is extracted from Capital One TSYS via AURUS and pushed into S3 bucket by the ETL. Data is also inbound from ReSA, Oracle HR, InCircle level and statement files. The data from these daily full files will be loaded to the staging tables on PIV database on the PLCC Information Vault (PIV). From this point the AWS lambda functions which will read the files fetched from PLCC vault base tables and generate Master Account EBO and Cardholder EBO. Generated EBO files will be placed in the S3 bucket. A flat file version of the Master Account EBO and Cardholder EBO will also be created for the systems which cannot consume a JSON EBO.

**Responsibilities:**

* Agile methodology used all along the project.
* Working knowledge on the PLCC application using Python, MYSQL8, and AWS.
* Usage of lambda functions in order to retrieve source files from Capitol One which are pushed into the s3 bucket by the ETL team.
* Monitoring of S3 buckets with incoming feed files based on the timestamp to trigger the lambda functions based on the incoming timestamp.
* Worked on tools such as Eclipse, IntelliJ, PyCharm, visual studio code, MySQL8 database.
* Worked on developing CRUD applications using ReactJS and NodeJS and REST based API.
* Designed and implemented REST APIs which are based on CRUD operations for performing different functions such as Delete, GET, PUT.
* Usage of CRUD in developing REST API written in JSON file format for implementing URL resources and test in postman.
* Git repo is the primary source of direction for retrieving code from the Bitbucket and working on the code and managing the code base of the project.
* Involved in the JIRA environment work structure, such as standup calls, working on sprint sessions which are mostly a 2-week spring for the cards created.
* Worked on old legacy python code as a part of transitioning the previous version 2.7 to the updated version 3.6. Worked on Python Dags for converting the previous dags version to the latest dags.
* Working knowledge on Java 1.8.
* Worked on other multiple enhancements and code refactoring at the spring boot area of the application.

**Data pipeline:**

1. Picking the file from ICC S3 bucket and unzip the file, large files will be split into smaller configurable chunks before inserting into the staging tables.
2. **Steps involved for processing source file.**
3. **Step1:** Unzip the source file from the S3 bucket
4. **Step2**: Read the records from the file
5. **Step3**: Check if the file is more than 10k records by running the lambda function, if less than 10k insert into required staging table, else create a secondary zip file in S3 to reload the remaining records.
6. Writing trigger jobs for lambda whenever files are created in s3 bucket.
7. Creating SNS topics for different lambda functions by defining topic names as well as messages.
8. Knowledge on error handling for failed jobs, such as storing the bad records into the error logs and monitoring the cloud watch and re running the jobs to inserted the good records in the next batch process into the corresponding database tables.
9. Knowledge on data extraction from the database tables and generating JSON’s and Flat files into respective s3 buckets with the help of lambda process.
10. Usage of Jenkins for build and deploy. Implemented Jenkins pipeline for nonstop arrangements. Introduced and designed Jenkins CI/CD pipelines, introduced modules, arranged security, made an expert and slaves for execution of different equal forms.

**Project2: Promo Creation Service**

**Description:** Since Neiman Marcus is a predominantly retail organization. It has its own backend ordering tool which is used by the vendors and internal business vendors to build and place their inventory to reflect at the ecommerce are which is the customer facing website. This tool is primarily used to creation promotions for every catalogue which the vendor receives, and create a unique promo key to bind with that catalogue. Internal tools such CSR and CMOS application have been used to generate the promotion key and also validate the other areas of the catalogue feed provided by the business in the form of a raw excel sheet. Every time we receive an excel feed file containing the catalogue and item details such as the promotion window and the type of feed it is such as the NM connect which is nothing but Neiman Marcus Connect and BG connect which is the Bergdorf Goodman Connect. These excel files are picked and dropped manually into the slack channel created which in turn will initiate the application and validate all the credentials of the file and trigger the CSR tool initially into which the excel file details get populated. To make things clear every NM connect file will initiate the CSR tool and every BG connect will initiate the CMOS application.

**Responsibilities**:

* Complete involvement in the SDLC of the application.
* Usage of vault service to store and retrieve the login credentials when needed.
* Browser stack is another monitoring tool used to track the build process when the application initiates from the time of the file drop in the slack channel to the point where the CMOS application successfully creates a final draft such as an order invoice which contains the unique promotion key every single time.
* Working on the enhancement of the existing code and making changes to identify the type of file dropped into the slack channel and based on that calling the right functions in the code to trigger the respective application which in this case is the CSR or CMOS.
* Working on the validating the endpoints of the service and enter data from the excel file to all the way to the CMOS.
* Usage of gradle to build the code.
* Worked on spring tool suite 4 for this part of the project.
* Since CSR tool initiates in the chrome web browser, a webdriver implementation that controls the chrome browser running on the local machine. Creating a class and providing as a convenience for easy testing the chrome browser. The control server which each instance communicates will always start and end with that instance itself.
* To avoid unnecessary restarting of the chrome driver with each instance use of @link remotewebdriver coupled with the desired chromedriverservice is managed separately.

**Environment:** Java 8, Spring4.x, Spring MVC, Spring Batch, Restful Web Services, Eclipse, CVS, Jenkins, S3, CloudWatch, JSON, Gradle, Python 2.7, 3.6, PyCharm, Visual Studio, VAULT Service, BrowserStack, MYSQL8.

**REI Co. Ops, Bellevue June 2019 – April 2020**

**Lead Java/AWS Developer**

**Description:** **REI** is one of the leading outdoor/sports retail giants. The NextGen-Ordering Flow Tool (OFT) will be used by the merchandise planner/buyer to create, update various types of purchase order requests which will be used to stack up the merchandise inventory for REI. The user can create a forecast for the purchase order requests, create and update inline detailed purchase order requests, create order requests for multiple events and finally create ad hoc purchase order requests. User needs an option to search and select the data’s like Style Plan, Vendor, Goods supplier from the Assortment Planning and proceed with the order request creation with the selected data.

**Responsibilities:**

* Worked on the Agile methodology all along the project.
* Worked on the application using Java scripting, PG Admin, Angular JS and AWS.
* Completely involved in the DEVOPS cycle of the application.
* Usage of GIT repositories in bitbucket for managing code base of the application.
* JIRA environment knowledge in terms of project handling and work management along with handling of daily standup meetings and for tracking any code related issues and progress and release of the project.
* Intuitive information about the structure of the application framework.
* Database knowledge of the application with regards to postgres admin.
* Implementation of stored procedure functions in PG ADMIN for all data related development of the application.
* Real time knowledge of different layers of AWS architecture such as
* **Simple Storage Service (S3):** It is a reliable storage service wherein we can place the files/folders creating the buckets.
* **OFT Web UI Layer**: The outermost layer in this kind of model deals with the presentation of the content and interaction with the user. The technologies involved in this layer on the web development is Angular framework.
* **OFT Wrapper Service**: This wrapper services call the data access layer services to achieve the different functionalities. It includes List of service API end points for each feature, and resource class and it includes, authenticate () and time split () wrapper class that calls bunch of other services in data access layer below.
* **OFT DAO Layer**: The deepest level in the layered architecture, the data layer deals with data retrieval from its sources.
* **Integration Layer:**
* JMS Spring boot listener to listen to Kafka (e.g.: Buy proposal): There will be a single JMS Listener which subscribe to 2 topics where both sends messages to different destinations.
* 2 active JMS listeners to listen to receipt proposal and DC split request
* PostgreSQL DB will be used as backend RDS solution.
* Deployment on to ECS Far gate container as we can focus more on developing the application and it eliminates the need to manage a cluster of Amazons EC2 instances.
* Amazon S3 storage can be used to store the files created by OFT and AWS SNS can be used for handling OFT email notifications.
* CloudWatch is used for logging purposes. Also, there are three rules scheduled to trigger the lambda functions – One for calculating the weekly sales total at subclass level, one for error handling and finally for data purging. These instances which are used in the working process of the application.
* Working on tasks such as routing the incoming emails to the database and writing business logics related to purging the emails after a certain time period.
* Usage of Java 8 to work on the API’s.
* Developed and maintained EJB-based modules for a large-scale enterprise application, ensuring adherence to project timelines and quality standards.
* Implemented caching strategies using second-level caching with Hibernate to optimize query performance and reduce database load by 20%.
* Designed and implemented middleware solutions using EJBs and JMS (Java Message Service) for asynchronous communication between application components.
* Conducted rigorous unit testing and integration testing of EJB components using JUnit and Arquillian, ensuring robustness and reliability of application functionalities.
* Provided technical leadership and mentoring to junior developers in EJB development best practices and architecture design principles.
* Well versed with Eclipse, IntelliJ, NOSQL, STS, MAVEN, GIT, Jenkins, Kafka.
* Carried automated Deployments and builds on various environments using continuous integration (CI) tool Jenkins.
* Used Git for source code version control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tools Maven and Ant.
* Developed build and deployment scripts using ANT and MAVEN as build tools in JENKINS to move from one environment to other environments.
* JENKINS is used as a continuous integration tool for automation of daily process.
* Implemented Jenkins pipeline for continuous deployments. Installed and configured Jenkins CI/CD pipelines, installed plug-ins, configured security, created a master and slaves for implementation of multiple parallel builds.
* Worked on code reviews and handled the build deliverables.
* Worked on AWS dependencies such as Lambda, SNS, SQS, AWS Secret Manager, AWS CloudWatch for logging purposes, and to schedule rules to trigger lambda functions- One to trigger a procedure, calculate the weekly sales total at a subclass level, and the other one for handling and one for data purging.

**Data pipeline:**

* Service used to load sales and inventory data into OFT.
* When weekly sales/inventory file feed is uploaded to shared MAIL S3 bucket, notification is sent to respective SNS topic per environment. OFT lambda subscribed to the SNS topic will trigger the Data pipeline job tied to it. The data pipeline job loads records from S3 file feed into respective OFT tables
* Good knowledge on writing SQL queries based on the application requirement related to the database.
* Worked with different teams in terms of integration such as SAP, third party team APTOS, Process/Performance Integration, MAIL (merchandising allocation integration layer).
* Worked in a production fixes environment as well in terms of sales and supply management.
* Live fixes in backend code and databased real time production data, which unblocks users from placing live orders.
* Played a technical lead role in managing an offshore team in terms of business prospects of the application.
* Handled batch jobs in respect to the daily incoming production data for sales such as:
* There are total three batch jobs.

A) The weekly sales history is pushed to OFT via AWS Data pipeline. After this, a job is scheduled to run on every Sunday night at 00:00:00 HRS. This job will calculate the weekly sales total at subclass level. This job will be scheduled via AWS CloudWatch rules. The rule will trigger a lambda function which in turn will trigger a procedure in OFT DB to execute the calculations.

B) There will be a job to handle the errors that have occurred in processing the receipt proposals, master data transfer etc.

C) There will be one more purge job scheduled to run every once in a week to archive the old data.

**Environment**: Angular 6.2.1, Node JS 10.10.0, Spring Boot 1.5.7, Aurora PostgreSQL, AWS, RDS, EC2, SNS, SQS, ECS, CloudWatch, Batch Servies, AWS Secret Manager & ECS Fargate, Lambda Function, Elastic Search Service

**Toyota Motors North America, Plano Sep 2018 – June 2019**

**Spring Boot Java Developer**

**Description:** Toyota Motors runs a charitable organization **called Gifts and Grants Management**. The purpose of this application is to provide funds for organizations which put in their requests forward to Toyota. The application is designed such that the Toyota administrators invite the external organization to apply for a grant, the external organization submits a grant application in the form of an email which runs into the Toyota database and then a notification email is sent to the organization about the submission. The requests are even sent to the Toyota private dealers after which the application matches along with the Toyota main office. These requests are processed into batches and sent to the Gifts organizer where in the payments for the particular organizations are verified and then the vendors are selected for the payment to be processed, specification of the payment is also done is it by EFT or CHECK and if it is for checks, specify if it has to be emailed or returned to the originator, print the Donation Approval Document(equivalent of the CHECK Request). This is then submitted to the Gifts Batch Admin which forwards it to the People Soft payment services in a batch, who in turn distribute the CHECKS by email which at the end receives the charitable organizations in the form of EFT or from the Finance Administrators or from the Toyota Administrator.

**Responsibilities:**

* Worked on the Agile methodology all along the project.
* Worked on the application using Java scripting, Multi-threading and Maven.
* Completely involved in the SDLC of the application.
* Extensive usage of GIT to manage the code base.
* Good knowledge with JIRA, used for project and ticket management.
* Extensive use of java scripting to interact with the application.
* Working knowledge on the restful services with the help of spring boot and MySQL.
* Working alongside the system architect and developing the JSP for the UI of the application.
* With the help of spring boot responsible for maintaining the architecture for Restful API.
* Usage of JIRA for tracking any code related issues and progress and release of the project.
* Implemented Java design patterns and worked on the hibernate and JPA queries.
* Good knowledge on working on stored procedures.
* Working knowledge on writing business logic from the existing legacy VB code to spring batch.
* Performing and writing the business code in the tasklet.
* Working on tasks such as routing the incoming emails to the database and writing business logics related to purging the emails after a certain time period.
* Reading files from the FTP location and persisting them to the database by writing the business rules for them.
* Usage of Java 8 to work on the API’s.
* Developed and enhanced legacy applications using Struts 1 framework, refactoring codebase to improve performance and maintainability.
* Implemented Struts 2 actions, interceptors, and results to migrate legacy applications to a modern architecture, improving scalability and responsiveness.
* Integrated Hibernate with Struts 2 for efficient data persistence and retrieval, reducing database query times by 25%.
* Designed and developed RESTful services using Struts 2 REST plugin, facilitating seamless integration with mobile and web clients.
* Conducted unit testing and integration testing of Struts applications using frameworks like JUnit and TestNG, ensuring reliability and functionality.
* Provided technical support and troubleshooting assistance for Struts applications, resolving issues promptly to minimize downtime and ensure smooth operation.
* Well versed with Eclipse, MSSQL, STS, MAVEN, GIT.
* Dockerized CI/CD tools (JENKINS and GitLab).
* Worked on the Docker ecosystem with a bunch of open source tool like Docker machine, Docker Compose, Docker Swarm.
* Carried automated Deployments and builds on various environments using continuous integration (CI) tool Jenkins.
* Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP.
* Built a stored-procedure-as-a-service microservice that is generic: will take name and parameters and spit out output or error from the database
* Used Git for source code version control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tools Maven and Ant.
* Developed build and deployment scripts using ANT and MAVEN as build tools in JENKINS to move from one environment to other environments.
* Implemented Jenkins pipeline for continuous deployments. Installed and configured Jenkins CI/CD pipelines, installed plug-ins, configured security, created a master and slaves for implementation of multiple parallel builds.
* Worked on code reviews and handled the build deliverables.
* Writing DAO layers for handling data with the help of x` controller and then requesting it to the Spring Application.
* Good knowledge on writing SQL queries based on the application requirement related to the database.

**Environment:** Java 8, JSP, Spring MVC, Spring Batch, MSSQL, Hibernate, and Restful Web Services using Micro services architecture, Eclipse, STS, AWS

**Gymboree, San Francisco Sep 2016 – July 2018**

**Full Stack Java Developer/Sr. JAVA Developer**

**Description**: Taken a shot at setting up a credit-mapping venture where a home loan representative can scan for various advance composes as indicated by coordinating criteria. It required making questions on an interior bank database considering a borrower's inclinations and discovering programs from the database coordinating those inclinations. There were site pages to enlist a merchant into the framework, to enter borrower data and a scan page to search for credit data. There was additionally an office to request a statement for a specific sort of advance that existed in the database.

**Responsibilities:**

* Worked on Agile Methodology for the project. Used JIRA and Version 1 tools for logging and tracking
* Used java script and jQuery for interacting in pages.
* Designed and Developed End-to-End customer self-service module using annotation-based Spring MVC, Hibernate, JSP and jQuery.
* Using JavaScript and angular.js to develop the front end.
* Implementing the data acquired and submitting them to the graph using node.js and jQuery.
* Used JDBC calls in the JSP to access Cassandra Database.
* Developed the application using Core Java, Multi-Threading, JDBC, ORACLE, and Maven.
* Performed Unit Testing and interacted with QA for testing. Involved in implementing validations, exception handling.
* Designed and developed REST services by using spring, hibernate and java and Cassandra.
* Contributed in developing several algorithms and in the addition of various options to the application to choose the algorithm for data address generation.
* Worked on the development of user defined data structures and library functions.
* Well versed understanding of algorithms, data structures and as well as performance optimization techniques along with object-oriented programming.
* Experience in using build/deploy tools such as Jenkins, Docker and AWS ECS Cluster (EC2 Instances) for Continuous Integration & Continuous Deployment for Microservices.
* Used extensively different set of collections such as List, set, map and proper usage of data structures and concurrency framework.
* Usage of Java 8 to implement Delete and Read REST API's for Administrator, load management software.
* Used node.js frameworks as well as environment structures to deploy and develop staging and production servers.
* Build and deploy project in development environment and coordinating the release in another upper environment.
* Functionalities include writing code with Cassandra database as the backend.
* Hands on Experience with Spring Framework, Maven, JIRA and Agile methodologies.
* Used Auto wired Pojo and DAO classes with Spring Controllers.
* Used spring restful API to implement Restful Webservices.
* Sending JSON data type between front end and middle tier controller.
* Worked on Database Stored Procedures and Functions, views and Synonyms.
* Used SVN and GIT for Source Control and Version Management of all codes and resources.
* Creating application server builds using EC2 environment and monitoring them using cloud watch.
* Experience on AWS services like EC2, S3, RDS, ELB, EBS, VPC, Route53, Auto scaling groups, Cloud watch, Cloud Front and IAM for instantiating, configuring and managing various Amazon images for server migration from physical servers into cloud.
* Captured Amazon Machine Images (AMI's) of EC2 Instance for snapshots and creating clone's instances for their application elsewhere.
* Good experience of AWS Elastic Block Storage (EBS), different volume types and use of various types of EBS volumes based on requirement.
* Constructed S3 lifecycle of Applications & Database logs, which includes deleting old logs, archiving logs based on the retention policy and granting rights to authorized users.
* Quick learner with an ability to rapidly achieve integration with the organization.

**Environment:** Java 8, JSP, Spring4.x, Spring MVC, Spring Batch, Data structures, Hibernate, SOAP Services and Restful Web Services, Eclipse, CVS, Jenkins, Docker, EC2, S3, Route53, VPC and Auto scaling, Angular.JS, HTML, CSS, JSON, Maven, JMS, Kafka

**OCLC, Columbus, OH July 2014– Aug 2016**

**JAVA AWS Developer**

**Description:** OCLC gives the spine Information Technology support to the online worldwide library helpful, that gives shared innovation administrations. As a major aspect of offering help to a great many libraries in making data more available and more valuable to individuals around the globe. OCLC has spent significant time out in the open libraries, scholastic libraries, and uncommon libraries, examine libraries, and Schools. The venture was intended to create and keep up Meta Data Services.

**Responsibilities:**

* Involved in developing the application using Java/J2EE platform. Implemented the Model View Control (MVC) structure.
* Involved in SDLCRequirements gathering, Analysis, Design,
* Designed web services, created libraries, worked on GUI reports.
* Development and Testing of application using Agile Model
* Worked extensively on the front-end side using JSP, GWT, CSS, AngularJS, JavaScript, and jQuery.
* Application of core java methodologies like collections, exception handling, generics and Java I/O while developing the algorithm.
* Developing custom directives of angular.js and manipulating the data and then displaying the data in the company format in the UI.
* Experience in implementing mean stack using Mango DB and Node.JS.
* Developing the front end of the application using the JavaScript, angular.js, node.js and as well as restful webservices.
* Designing the front end of the frameworks using the likes of node.js, angular.js
* Responsible to enhance the Portal UI using HTML, JavaScript, XML, JSP, JAVA, CSS as per the requirements and providing the client-side JavaScript validations.
* Exposed various capabilities as Web Services using SOAP/WSDL.
* Used SOAP UI for testing the Web services by sending a SOAP I/p request
* Used Log4j to print the logging, debugging, warning, info on the server console.
* Used JUnit/Eclipse for the unit testing of various modules.
* Used client-side java scripting: JQUERY for designing TABS and DIALOG BOX .
* Configuration of AWS, IAM and security group of public and private subnets in VPC.
* Involved in deploying the applications of AWS stack containing EC2, S3, Dynamo DB, SNS, IAM, RDS) focusing on auto scaling in AWS cloud formation.
* Creating ROUTE53 to route traffic between different regions.
* Installed and configured CHEF Server using CLI tools o AWS nodes.
* Implemented automated local user provisioning instances created in AWS cloud.
* Maintaining user accounts Route53, VPC, RDB, SES, SQS, SNS services in AWS cloud.
* Building servers by using AWS and launching EC2 instances, RDS and ELBs in the fined virtual private connection.
* Deployment of applications on the AWS platform using Elastic Beanstalk.

**Environment:** AWS, Chef Route53, SQL, EBS, ELB, Docker, AWS Auto scaling, JDK1.5, JSP, Servlets, SQL, JavaScript, jQuery, Angular.Js, Spring, Hibernate, Web Services, WSDL, SOAP, CSS.

**Vishwa infrastructures, Hyderabad, India May 2010 – July 2013**

**JAVA Developer**

**Description**: Vishwa Infrastructures is an Oracle Cloud hosted data aggregation and exchange environment is the first of its kind in the infrastructure industry and it has changed the way clinical data is aggregated, shared, pooled and analyzed. The application is developed in J2EE architecture using EJB’s, JSP, and Servlets.

**Responsibilities**:

* Reading Program Specifications, Understanding requirements, flow-wise. For each flow, developing all business layer artifacts, as detailed below
* Writing Flow Manager (flow logic, exception handling and transactional support).
* Writing Domain Objects for Business entities involved in the flow (Policy, Account, Premium, Receivable, etc.)
* Writing DAO Classes for persistence support to Domain Objects.
* Giving stored procedure requirements to Database Programmer
* Integrating all sub-components and doing end-to-end testing.
* Implemented Perl and shell scripts for automation of the build and release process.
* Developed the web interfaces using JSP.
* Responsible for designing the front-end using HTML / Java Servlets.
* Built deployment pipelines using Jenkins as a front end for continuous deployment to local staging and test environments and to production environments on demand.
* Involved in designing system architecture and identifying proper patterns and frameworks for the system.
* Developed application using Eclipse, Java5, JavaScript, HTML.
* Performed builds and deployment and responsible for source code control and release management.
* Developed test cases to test the business logic**.**
* Monitoring systems for error messages and troubleshooting problems that occur on daily basis.
* Forwarding any unsolved problems to the appropriate support team for resolution.

**Environment:** AWS EC2, S3, VPC, and HTML, Eclipse, Java 1.4, Web services, EJB 2.1, Hibernate 1.x, HTML, JSP, JUNIT, JavaScript, MySQL

**EDUCATION DETAILS:**

Bachelor of Technology in Computer Science Engineering – JNTU (2009)

Master of Science in Computer Science – Silicon Valley University (2016)

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