Manideep Kumar  
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Languages, Technologies, Frameworks, Deployment tools I worked on are

Java, spring, spring boot, Microservices, Kafka, Mongodb, JavaScript, kubernetes, Openshift

Git hub URL <https://github.com/manideep-vv> (contains technology related notes)

**Experience**

I have around 8 years of experience in Information Technology Industry. Having experience with the software development, testing, deployment and support of large scale, enterprise, distributed, web-based JAVA /Jakarta EE applications.

**Major Strengths:**

* Around 8 years of experience in analysis, development and implementation of large scale, Java/JEE projects.
* Experience in Developing applications using frameworks like spring Boot and Micro services and Messaging systems such as *kafka* , active MQ
* Have knowledge on working with NoSQL databases like mongo DB
* Experience in deploying applications into Red Hat Openshift containerization platform & Kubernetes cluster and into PCF(pivotal cloud foundry)
* Experience in development of web and enterprise applications using JEE technologies such as JDBC, Servlets, JSP ,JPA
* Experience In writing Junit test cases and analysing the Mutations using PIT Mutation tool
* Creating and Consuming RESTful Web Services based on requirement

**Wells Fargo Experience**

* Worked in FX Project on Java Akka framework and solace MQ
* Worked in 1DSTR project from scratch phase on kafka, mongodb, Spring boot, Microservices
* Worked in SDP Project on spring boot, kafka, Microservices, Kubernetes
* Worked in CTR project on a spring boot POC using Spring JDBC and test cases using karate framework

**Technical Skills**

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| Languages: | Java (11) / JEE ,SQL, JavaScript |
| JEE(Java Enterprise Edition) Technologies | JDBC, Servlet, JSP , JPA , EJB(Enterprise java beans ) |
| Distributed Technology | RESTful Webservices (JAX-RS), SOAP web services ,  IBM Data Power middleware for SOAP web services |
| Application Framework: | Spring, Basics of EJB(Jakarta Enterprise Beans ) |
| ORM Framework | Hibernate (JPA) |
| Spring Application Development Approach | Spring Boot |
| Spring framework Modules | Spring Core, Spring JDBC, Spring AOP ,Spring Data Mongo DB ,Spring MVC , Spring cloud , *Basics of spring Batch,*  Spring Oauth (auth with keycloak auth server) |
| Spring Boot Micro services Design patterns | Config server backed by GIT and Mongo DB, Eureka service Registry , Hystrix , Resilience4j |
| Distributed Framework | Spring REST |
| Messaging Systems | Kafka, Apache Active MQ |
| Databases: | NO SQL Database- Mongo DB, SQL Db’s-Oracle , |
| Misc frameworks/API,Libraries | Shedlock, Lombok, Gson,Json |
| Containerization tool & Container orchestration tools | Docker &Kubernetes, Openshift (by Redhat) ,  Helm (package manager for kubernetes) |
| UI | HTML, JavaScript, Basics of React JS |
| Servers: | WebSphere Application Server(WAS) 8.5, Apache Tomcat |
| Testing Frameworks | Junit (5) ,Mockito 3.5, Easymock, Powermock, Gherkin,  BDD framework –karate, PIT |
| Build and Deployment Tools | Maven, Gradle, Jenkins, Urban Code Deploy, Harness, PCF |
| Other Tools: | Intellij idea, JIRA, Tortoise GIT ,SOAP UI, Splunk  Server restart tools- Autosys  Static Code analysing tools - checkmarkx , Blackduck,SonarQube, SonarLint, IBM Dynamic scan tool |
| Methodologies | Agile, Waterfall |

**Project 1**

**Project Name** : EfileAutomation in Currency Transaction Reporting (CTR)

**Client** : Wells Fargo

**Duration** : April 2024- Till date

**Role**  : Java developer

**Project Description:**

EfileAutomation is a POC project which is responsible to report the transactions to FINCEN US government site based on certain rule like when total value of a person’s day transaction crossed 10k$,

Technically, we have used Spring JDBC framework to execute those queries asynchronously using java 8 completable futures and JPA to basic operations

**Responsibilities**

* Worked on implementing the business logics like auditing using Spring JPA features
* Implemented asynchronous execution using java 8 completable futures
* Worked on implementing mongodb features like mongodb aggregations
* Wrote junit for layers like repository and controllers
* Deploying the application into kubernetes and Openshift containerization platforms
* Written the helm package manager scripts in Google Go language (initial version)

**Project 2**

**Project Name** : Servicing Data platform (SDP)

**Client** : Wells Fargo

**Duration** : January 2023- March 2024

**Role**  : Java developer

**Project Description:**

SDP is an operational data store which stores the payment related information for Defaulted & bankruptcy customers, and it will stores all the suggested Payment plans information for each and every customer to prevent them getting defaulted and it will stores all the Text, email, push notifications that has been sent to customer on which a analytics platform will be built using the stored data

Technically, our application is a real time data processor built on Kafka where we will receive our feed from 7 Kafka topics from different upstream sources,

Whereas this application is

* Built on java 11 and
* Spring Boot framework and
* backed by No SQL Mongo Database and
* Integrated with Kafka System which is the source of input for this application
* Deployed on kubernetes cluster with HELM package manager

**Responsibilities**

* Worked on Kafka listener modules and wrote main logics to consume avro, json data from many Kafka topics using venafi certificates and
* Worked on implementing Kafka batch consumption mechanism to read as a batch from topic by tuning Kafka default configurations and save as batch of records using *spring JDBC batch insertion* mechanism to save database round trip time
* Worked on handling Exceptions and retry mechanisms in kafka
* Worked on implementing the micro services patterns like *Resilience4j* for retry mechanism when we are interacting with CCODS cycle date RESTful webservice api using venafi certificate whitelisting
* Worked on implementing the security using spring Oauth with wells fargo Authorization server
* Worked on on-boarding and deploying application to *kubernetes* cluster and with HELM package manager
* Actively helped co-team members and SRE team to deploy our application to kubernetes cluster with helm commands
* Perform code reviews by checking if the written code is adhering to standards or not

**Project 2**

**Project Name** : DSOS – Disaster Order system

**Client** : Wells Fargo

**Duration** : May 2022- Dec 2022

**Role**  : Java developer

**Project Description:**

Disaster order system is an internal application used by the collectors of Wells Fargo Bank. The intended use of this application is to provide the benefits for the customers who are defaulters their regular payments of credit cards and retail customers.

Whereas this application is built on java 11 and Spring Boot framework and backed by No SQL Mongo Database and integrated with another kafka System which is the source of input for this application

**Responsibilities**

* Worked on implementing the Mongo appender which is responsible to log any error to database asynchronously as and when exception arised and worked on logging REST svc request and responses into Mongo database
* Worked on Kafka listener modules an code with microservices patterns like Resilience4j
* Implemented Caching mechanism using EH cache and worked on scheduling cron job and utilised *shedlock* libraries to avoid Duplicate Cron job processing
* Worked on DSOS components and implemented some of the business functionalities like Overlap scenario and integrating with other applications like FISERV

**Project 3**

**Project Name** : DSOS – FX desktop

**Client** : Wells Fargo

**Duration** : July 2021 –April 2022

**Role** : Java developer

**Project Description:**

Fx Desktop is a Forex Trading application built on Java FX as Front end using Akka and spring Frameworks. Which serves the purpose of Booking and processing Trades and trade conversion and Incorporates many trade functionalities such as splitting merging trades and managing customers and trade pricing generating Acknowledgements on received MQ messages

**Responsibilities:**

* Worked on Bswift Blotters for screens live update mechanism using spring JMS module responsible for sending MQ messages to temporarily dynamically created solace Queues Where we have used java akka framework and reactive Java for asynchronous processing
* Worked for many JIRA enhancements tasks on Java back end by adhering to

Wells Fargo standards

**Project 4**

**Project Name** **:** EdealerServices

**Role:** JEE Developer and Responsible for Major enhancements

**Client:** Citi ,Newyork

**Project Name-** EdealerServices

**Project Duration:** March 2020 – June 2021

**Technology:** Java

**Spring Framework Modules** - Spring JDBC, Spring AOP

**Description:** Edelaerservices is a standalone application which serves as a complete backend responsible for generating Acknowledgements on received MQ messages which are generated by upstream projects such as edealer and pulse applications

**Contributions:**

* worked on implementing Spring integrated Aspect-J AOP module to redirect the deals booked and perform validations on incoming MQ messages
* Perform the secondary logics such as Database connection statuses before actual message processing.
* Integrated the developed framework jar against the edealerServices services Module.

**Project 5**

**Project Name** **:** EdealerDatabaseServices

**Role:** Java Developer

**Client:** Citi ,Newyork

**Project Name-** EdealerDatabseServices

**Project Duration:** March 2020 - October 2020

**Technology:** Java

**Spring Framework Modules** - JDBC

**Description:** EdelaerDatabaseservices is sybase to oracle migration Jar which is developed by us responsible for database switching at runtime and supports parallel execution of queries and stored procedure using JDBC methodology utilising implemented global transaction management

**Project 6**

**Project Name :** Federal income tax (FIT)

**Role:** Associate Software Engineer

**Client:** State Farm, Bloomington

**Project Duration:** Nov 2016 – Nov 2017 & Dec 2018- Nov 2019

**Technology:** Java**-**Spring MVC, spring REST, Spring JDBC, Spring Boot

**Role:** Java Developer and Responsible for Minor and Major enhancements

**Description:** Federal Income tax application is used to create a new kind of tax calculation which was an alternative to calculation of tax which has been carrying in paper, It enables the tax calculation for all the involved companies with the specified formula’s where the inputs are received from different areas and the results are generated in excel sheets which will be verified by business partners

**Contributions:**

* Coded for controller layer and wrote Junit test cases-maintained PIT Mutation coverage
* Involved in Design and Implementation of several Major enhancements.
* Involved in staging and deploying the code into different environments

{dev, QC, Pre-prod, prod}

* Designed and delivered the code on-time with quality.
* Communicated with Client on regular basis and updates status.
* Organized requirement review meetings and solved queries regarding ambiguous requirements.
* Fixed defects during testing phase.
* Created and maintained process oriented documents for project.

Thanks and regards

Manideep