Documentation for making it production ready-

1. Check in the code to repository , i.e. BitBucket / GitHub

2. Create a automated build process - i.e. jenkins job for continuous integration in one development environment. in this way, when a new code is checked in, a new snapshot build will be created and auto-deployed in the development environment.

The jar should be built and loaded in artifactory / nexus for future reference.

3. There should be another build process / Jenkins job which should be triggered manually, for release version build in SIT, UAT and Prod.

The jar should be built and loaded in artifactory / nexus for future reference.

4. Prepare Implementation plan for SIT , UAT and PROD (i.e. copy jar from artifactory / nexus to specific environment location, start command for the jar etc.)

5. Rest documentation using swagger.

6. Secure the Rest endpoints using basic authentication over SSL.

7. Develop extra validations like throw an error when zero amount will be transferred etc.

8. Use logback or log4j file to control logging. In this way, we can use different level of logging for different files.

9. Set Up Actuator to ensure that the jvm process is being monitored constantly. In case process is down, we should get alert.

10. Integrate SonarLint plugin in development IDE for code quality and ensure code coverage.

11. Use different application properties like application-dev , application-sit, application-uat and application-prod etc. for better properties management for each environment.

we can pass the required profile -Dspring.profiles.active=prod in jvm start command.

12. Make runbook and high level implementation details of the ret services in the confluence so that it can be used by production support Team.