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ICG Tech Analyst: 2020
Location: Zhangjiang W1 6C

Tech Organization: Global Spread Prod Tech
Direct Manager: Toby, Qin (GQ33151)

Edution: Ocean University of China [Master in Computer Technology]

Language Spoken: English, Chinese

Citi Work Experience
Worked mostly on GSP DevOps to make development and operation to automate so that programmers can focus on developing business logic and the steps of compilation, packaging and deployment, including code quality scanning can be completed automatically.

Worked with LightSpeed, in general, there are three aspects as follows:
Firstly, the UI that allows users to create project or pipeline in a few simple steps and show status that pipeline runs,
Secondly, the gsp Jenkins library that provides interfaces on the basis of ICG pipeline library to make jenkinsfile easier to configure, extend and use,
Thirdly, the reflexion that is equivalent to a reverse feedback flow as pipeline can be regarded as a forward workflow, which can be used to send notification email of pipeline running results to users or update JIRA's comments and status, etc.

Worked with others to build app builder of LightSpeed for project management, which is targeting to provide standardized and automated project initializing experience across ICG in future, in which developers will be able to create a full functionality application to run on LightSpeed with CI/CD enabled and deploy to ECS with one click deploy.

Worked with GSP Data Acquisition Warehouse team to migrate flink project to ECS by Jenkins pipeline with CI/CD. Besides, onboard HCI data for EUC retirement by producer generic module that loads data from file and sink to database with Autosys job and bash script.

Demonstrated Strengths

Java:

Used to create web application in SpringBoot, cooperating Mono that's a feature of Webflux reactor framework to implement AIO, through Mybatis or JPA / Hikari to configure data source and persist changes to database.

Python:

Used Python web framework Django to provide pipeline service, splitting log to visualize stages, enhancing reflexion function to notify users when status is updated.

SQL:

Used SQL Server Management Studio, Oracle SQL Developer and MySQL to manage and operate data with CRUD, sequence and so on

Angular/Node.js:

Used to improve features and user experience building with npm.

ECS:

Used application container engine Docker to package app and dependency to an image, used OpenShift to provide middleware services and manage workflow building with Jenkins. Meanwhile, keep maintaining library and examples of pipeline to deploy quickly and easily.

Soft skills:

Proper communication is required to deal with exception, analyze requirements and deliver tasks. Besides, help others to solve problem when onboarding application.

Others:

Autosys job, shell script, etc.

Build personal website for sharing: https://sstian.github.io/