Tejaswini Akula **Python Developer/DevOps**

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**Professional Summary:**

* Software developer with 4+ years of experience in Software Development and test Life Cycle Design and implementation.
* Experienced in developing API microservices in Python.
* Experience in managing platform on **AZURE** and AppService deployments in Azure
* Experience in using different deployment modes and deploy applications without an outage of application
* Experienced in developing **Jenkins Shared Libraries**
* Experienced in using continuous integration tool Jenkins and version control repository GITHUB.
* Experience with virtualization tools like **Docker**.
* Experience in Managing the platform using configuration tool called Ansible.
* Hands on experience in supporting multiple projects parallel and performing the build for the same.
* Experience in **Linux** environment, debugging issues via log messages.
* Worked on patch updates in Teradata 14.10, 15.00, 15.10, 16.10 in Teradata Labs.
* Worked on multiple projects and worked independently as well as in a team.
* Experienced in customer facing and worked on Tier 2 and Tier 3 support issues and onshore-offshore support models.

**Certifications:**

* Azure Fundamentals – Certification ID: 989890079
* Teradata 14 SQL
* Teradata 14 Basics
* DevOps Certification

**Technical Skills:**

* **Programming Languages** : C, Python
* **Cloud Technologies** : Azure
* **Database** : Teradata, MongoDB, Oracle
* **Operating Systems** : Windows, Linux
* **Version Control System** : GIT, GITLAB
* **Continuous Integration** : JENKINS
* **Frameworks** : Flask
* **Ticketing Tools** : JIRA
* **Virtualization** : Docker
* **Scanning Tools** : SonarQube, Twistlock, AppScan
* **Orchestration Tool** : Kubernetes
* **Monitoring Tools** : Sentry, ELK
* **Configuration Management Tools** :Ansible

**Education:**

* Executive master’s in data science and Engineering, BITS Pilani - Currently Pursuing
* BTech in Information Technology from JNTU-Kakinada University

**Experience:**

* Working with Chubb Business Services LLP, from January 2020 to till date
* Worked with Chubb Limited from Capgemini Technology Services India Limited, from September 2018 to December 2019
* Worked with Teradata India Private Limited as Software Engineer, from Dec 2015 to September 2018

**Projects Summary:**

**Project #1:**

* Product : DynaFlo
* Project title : Chubb Digital DevOps
* Client : Chubb Business Services India LLP
* Team Size : 6
* Role : Developer
* Programming languages : Python, yaml
* Frameworks : swagger server
* Template languages : Jinja 2
* Tools : Jenkins, GIT, Docker, JIRA, Kubernetes, SonarQube

**Description:**

DynaFlo acts as an orchestrator in between SCM and the other DevOps tools and makes life easy for the developer. The functionality of DynaFlo is, as soon as a check-in occurs in the SCM (GIT, TFVC, Bitbucket) the process of DynaFlo starts and it creates a Jenkins job and builds and stores the artefacts in nexus and create an infrastructure in Azure (if needed) and does the deployment. The DynaFlo is developed in Python and is maintained in Azure Kubernetes Service as containers

**Responsibilities:**

* Developed Python modules to use yaml files and build framework.
* Worked with **RabbitMQ** for Queues to build the application as SOA platform.
* Involved creating micro services using swagger server.
* Worked on developing Jenkins file and Jenkins Shared Libraries.
* Continuous code refinement and implement Best practices, Design patterns to improve code coverage and effective tool features usage.
* Implemented Complete CICD for **Kubernetes** and AppService deployments in Azure.
* Involved into Build Activities using different build tools like Maven, Angular, MS-build.
* Hands-on Sentry, a tool which detects unhandled exceptions, which we configured with DynaFlo was used to detect any unhandled exceptions and were rectified in following sprints.
* Involved in client meetings of application teams and transferred knowledge on DynaFlo architecture and usage post onboarding their application to DynaFlo.
* Gained expertise in **JIRA** tool for live defects and change requests.

**Project #2:**

* Title : E-Fix (CI/CD).
* Team Size : 6
* Role : Developer
* Programming languages : Python, Teradata SQL, shell scripting
* Tools : Jenkins, GIT, NAGIOS, Docker, JIRA, Teradata tools

**Description:**

The ability to automate the tasks performed by E-Fix team and to build Pipeline for the project

**Responsibilities:**

* Developed Python modules to use Teradata utilities.
* Developed customized Nagios plugins to monitor Teradata systems.
* Review code changes done by peers and provide comments and feedback.
* Debug and fix issue while developing and doing UT.
* Setting up build server for continuous integration with **Jenkins** for daily/nightly and weekly based builds.
* Tracking **JIRA** tool for live defects and change requests.
* Engaging various teams (Internal Tools and testing Teams) to resolve various operational issues effectively.
* Worked with tools like **Docker**.

**Project #3: DAPO**

* Title : Data Analytic Platform DevOps
* Role : DevOps Developer
* Team Size : 8
* Programming Language : Python, Perl, shell scripting, Teradata SQL.
* Tools : Jenkins, GITLAB, Docker,

JIRA, Teradata internal tools

**Description:**

The purpose of this Project is to automate all manual tasks and build CI/CD pipeline.

**Responsibilities:**

* Developed python modules to access Teradata Test repository.
* Developed logic to search test repository to get user requested feature test suites.
* Integrated Jenkins with GitLab in such a way that committing a change to the repository, the build should be triggered automatically
* Created a Package and archive the artifacts.