

# Jeevana Rao Talagana



DevOps Engineer

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## Summary:

An innovative and skilled **DevOps Engineer & Python Developer** with a strong **Linux** background and **4+** years of hands-on experience designing, implementing, automating, optimizing mission critical deployments and managing cutting-edge deployment automation of cloud resources, leveraging configuration management, CI/CD, and DevOps processes.

## Experience:

### PYTHON - DEVOPS ENGINEER | TERADATA INDIA PVT LTD | DEC 2018 – PRESENT

- Developed DevOps portal power web tool for easy configuration updates of the product deployment resulting significant quality improvement in delivered product.
- Developed an API for CI Framework using GraphQL and REST Api
- Developed Jenkins as a Service.
- Leveraged tooling solutions including Github, Jenkins, Docker, Ansible to optimize deployments.
- Developed various pipelines to optimize CI/CD for faster software builds, test and delivery.
- Researched & implemented 3<sup>rd</sup> party tools to further advance automated deployment.
- Developed a command-line tool to migrate Jenkins from one server to another server.
- Developed a monitoring portal using python-flask to monitor sandbox builds.
- Developed a tool called Artifact Manager to manage build artifacts.
- Developed a test strategy with parallel testing with fail-fast strategy
- Developed custom CI Framework using Django with integrations to various DevOps Tools and Technologies.
- Configured load balancing using Nginx for various web application

### SYSTEM ENGINEER | TATA CONSULTANCY SERVICES | SEP 2016 – DEC 2018

#### Responsibilities:

- Worked as a Python - DevOps Engineer for Ericsson R&D client, worked with various tools like Vagrant, Docker, Kubernetes, Puppet, Jenkins, Git, Gerrit, SonarQube, Artifactory, Jira, Ansible.
- Worked with different hypervisors like KVM, VM Ware, Virtual Box etc.
- Developed python cli tool which works as the simple cli wrapper of hypervisor interfaces.
- Automated the build releasing using python automation.
- Developed various pipelines to achieve CI/CD.

- Worked with GIT Version Control System as part of Source Code Management.
- Developed DevOps Config Editor tool as part of POC.
- Containerized existing CICD flow using Docker.
- Implemented parallel testing and on-demand slaves in Jenkins using Docker.
- Attended onshore calls i.e. Sprint Plan/Retrospective/Review and Daily Stand-ups.

## SUMMER INTERN AT EMBEDDED RF TECHNOLOGIES | MAY 2015 – JULY 2015

- Development of Voice Based Home Automation using microcontrollers
- Advanced ATM surveillance system using IOT and Raspberry-pi

### Technical Skills:

<b>Operation systems</b>	RHEL/CentOS 5.x/6.x/7, Ubuntu/Debian/Fedora/ SUSE 11.1/11.3/12.3
<b>Configurations/Build/Automation Tools</b>	Docker, Docker Compose, Docker Swarm Ansible, Vagrant, Git, Jenkins, Kubernetes, Gerrit, SonarQube, Code Coverage, Micro Services, Nginx, CI/CD, Nagios, Artifactory, JIRA, Stacki, Artifactory, Power Bi
<b>Languages</b>	Shell, Bash, Python, Jenkins pipeline and Groovy scripting
<b>Databases</b>	MySQL, Teradata
<b>Frameworks</b>	Django and Flask
<b>Version Control Tools</b>	Git
<b>Cloud technologies</b>	Azure and AWS
<b>APIs</b>	REST API, GraphQL

### Project#1:

- |                     |                                     |
|---------------------|-------------------------------------|
| • Product           | : SQLE Focused Azure pipeline       |
| • Technologies used | : Azure, Python and shell scripting |
| • Domain            | : Continuous deployment             |
| • Tools             | : Git, Jenkins, Django              |

### Description:

Deploy the SQLE & core ecosystem (SQLE, VP, DSC, DM, CMIC, EM and VP ) components in Azure environment, Perform an initial sanity tests of all ecosystems components with prepared sanity test suites by product teams, if sanity test fails stop job/pipeline and open a JIRA. Also notify via email/slack communication channels.

### Project#2:

- Product : Enterprise CI
- Technologies used : Python and shell scripting
- Domain : Framework development
- Tools : Git, Git-Hooks, Django

### Description:

Enterprise CI (or) Hook Manager Application is a generalized payload processor which prepares inputs for various pipelines and utilizes applications for seamless integration for Developer usage. It promotes Quality Now and Shift Left development approaches for the development Community

### Project#3:

- Product : BAT pipeline
- Technologies used : Python, shell and groovy scripting
- Domain : CD environment
- Tools : Git, Jenkins, Django, VMWare, GraphQL

### Description:

Deploy the latest artifacts on 130+ machines and perform the upgrade, upgrade validation and launch the test suites on machines. Provide the consolidated reports to end users on status and intelligence to stop execution in case of build is not good to test.

### Project#4:

1. Product : Sandbox developer pipeline
- Technologies used : Jenkins pipeline ,groovy ,python and shell scripting
- Domain : Continuous Integration and Development
- Tools : Git, Artifactory, Jenkins, VMware, Docker

### Description:

Sandbox Pipeline was introduced in order to prevent the merging of features with severe regressions, which routinely disrupted the base and impacted the entire development organization. Sandbox testing using Jenkins pipeline and other DevOps tools, enabling user to submit sandbox requests and perform Sandbox runs from a single touch point

### Education:

B.TECH	ECE	81.7%	APRIL 2016	AP IIIT RGUKT NUZVID
PUC	MBIPC	83.6%	APRIL 2012	AP IIIT RGUKT NUZVID
SSC	10 <sup>TH</sup> CLASS	93.66%	MARCH 2010	ZPHS SCHOOL KOTTAPALLI