Manas Kashyap

manas.kashyap@knoldus.com

DevOps Engineer   +91-9064961876

Team player with good interpersonal skills. Flexible towards new technologies and always willing to update skills and knowledge to increase productivity and actively involved in the development & maintenance of several software projects. I love to take challenging assignments.

Skill Set

DevOps Tools	Jenkins, Docker, Kubernetes, Ansible, DCOS, git concourse, Argo CD , Helm Charts etc.
Linux Concepts and OS	Package Manager (apt, yum), Keys, Networking tools, Various distros including Debian, Ubuntu, CentOS, Alpine etc.
IDE's	IntelliJ, Eclipse, Pycharm , Visual studio Code
Monitoring	Prometheus, Grafana, ELK
Cloud	AWS services like EC2, S3, VPC, LoadBalancer, SNS , GCP , GKE , Terraform , terragrunt
Programming Languages	Groovy, Bash Scripting, Python , java , scala , yaml
Build tools	SBT, maven
Version Control	Git , Bit Bucket
Database	MySQL, Oracle, Cassandra, Postgress
Message Brokers	Kafka
Project Management Tool	Jira, GitHub, Trello

Publications:

- Blogs publications on Knoldus Blogs as well as on my website

Certifications:

- CD using Docker and Ansible   PluralSight
- Docker Networking   PluralSight
- Certification on Jenkins   PluralSight
- Certification on with Kubernetes   PluralSight
- Integrating Docker with Devops   PluralSight
- Debian Software Management   PluralSight
- Docker and Kubernetes   PluralSight
- Linux Foundation Certified System Administrator   Udemy
- Linux Foundation Certified System Engineer   Udemy

Open Source Contributions:

 I like to contribute to Open Source projects too. My open Source contributions are mainly on

1. Debian (https://wiki.debian.org/ManasKashyap)
2. Android tools and projects.
3. I have also contributed to fossasia
   (https://github.com/orgs/fossasia/people?query=manas-kashyap)
4. Recently fixed Wala bug in Debian
   (https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=955695)
5. Helped in GitLab-shell packaging
   (https://salsa.debian.org/go-team/packages/gitlab-shell/-/graphs/master)
6. Packaged Android Emulator
   (https://tracker.debian.org/pkg/google-android-emulator-installer)

Projects:

Bit Brew : (Role: DevOps Engineer, Client: Bit Brew)

Description:
Bitbrew is an IoT based project and gets the vehicle-related information to stakeholders(ex: insurance companies)

Responsibilities:

- Monitoring and Alerting for Service/Platform/Infrastructure.
- Automating CI/CD Pipeline using **Jenkins**, **groovy/bash/python** scripts, and **kubectl.**
- Deploying Services and jobs on the Kubernetes cluster.
- Maintaining deployments like Kafka, Zookeeper, Elasticsearch, and Cassandra.

Technologies Worked Upon

Kubernetes, Grafana, Prometheus, Jenkins, Cassandra, Kafka, ELK (for logging)

Telegram Bot: (Role: DevOps Engineer, Developer Client: ILUG-D, PYJAIPUR)

Open source communities communicate mostly on IRC(Internet Relay Chat) or Telegram, but nowadays everyone is shifting to a much easier platform i,e, Telegram even the IRC people too .

Description:

This is a project that is based on the python and it uses the API of telegram and is deployed over Heroku and DCOS. It is currently used by different communities for better communication.
This project also has an Ansible role which helps in automating the deployment for this bot for different communities.
Some open source communities that are using the bot are Jaipur, ilug-d, OpenTech

Responsibilities:

- Python script to use Telegram API and monitor its working**.**
- Deploying Services and jobs on Heroku as well as on DCOS for Knoldus R&D.
- Writing Roles in Ansible

Technologies Worked Upon

Python, Git Webhook, DCOS, Ansible, Telegram API

HPE 3PAR : (Role: DevOps Engineer, Client:HPE)

Description:

HPE 3PAR is AI-powered storage that provides a Tier-1 all-flash foundation for mission-critical workloads.

Responsibilities:
- Monitoring and Alerting for Service/Platform/Infrastructure.
- Automating CI/CD Pipeline using **Jenkins**, **groovy/bash/python** scripts, and **DCOS.**
- Deploying Services and jobs on the DCOS cluster.
- Maintaining indices and logging of ELK stack.
- Maintaining deployments like Kafka, Zookeeper, Elasticsearch, and Cassandra.

Technologies Worked Upon

DCoS, Docker , Grafana, Prometheus, Jenkins, Cassandra, Kafka, ELK (for logging)

OMNI AI : (Role: DevOps Lead, Client:Ultimate Kronos Group)

Description:

Ultimate Kronos Group, commonly known as UKG, is an American multinational technology company with dual headquarters in Lowell, Massachusetts and Weston, Florida. It provides workforce management and human capital management solutions.

Responsibilities:
- Automating CI/CD Pipeline using Git concourse and Terraform**.**
- Deploying Services and jobs on the Kubernetes cluster.
- Worked with deploying materialised views using terraform through git concourse pipelines.
- Worked closely with the AI team for MLOPS modules for their AI module to be deployed , used DVC.
- Created docker containers for java modules.
- Worked with Big query using java maven to create schema and tables through kafka.
- Maintaining deployments like Kafka, Zookeeper, JDBC connector .

Technologies Worked Upon

Kubernetes, Docker , Grafana, Prometheus, Influxdb, Git concourse, JMX Metrics, Maven , Big Query , GCP , Terraform, Jenkins, Cassandra, Kafka, Kibana , DVC.

IMPRIVATA ASTRA : (Role: DevOps, Client:Imprivata Astra)

Description:
Imprivata is an IT security company based in Lexington, Massachusetts. Founded in 2002, Imprivata develops and sells the OneSign Platform for securing employee access to desktops, networks and applications using a single sign-on.

Responsibilities:
- Automating CI/CD Pipeline using Argo CD and azure Devops
- Deploying Services and jobs on the Kubernetes cluster.
- Worked with deploying terraform and terragrunt modules using terraform through Argo CD pipelines.
- Created tool for checking aws resources with specific tags .

Technologies Worked Upon
Kubernetes, Docker , Argo CD , AWS , Github actions , python , Bash , Terragrunt , Terraform