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## ARPIT SINGHAL

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A goal-oriented professional targeting assignments in **DevOps Engineering & Implementation** in an organization of high repute in **Bangalore, Mumbai & Bangalore**



### Knowledge Purview

DevOps Implementation

System Deployment/ Automation

Configuration & Infrastructure  
Change Management

Agile Methodologies

Patch and Hot Fix Deployments

Project Management



### Profile Summary

- Goal oriented professional, offering an **experience of over 2 years** in **DevOps Engineering & Deployment, Cluster Deployment, Infrastructure Development & Jules Pipeline**
- Rich experience in providing Enterprise Application Support, IT System, Middleware Administration, Production & UAT Infrastructure Support with hands-on experience in **Ansible, Linux, Python, Terraform, Zuul, Jenkins, Atlassian tools, High Availability and Git**
- Designed, implemented and maintained deployment automation from code check-in to production; supported implementation activities in all features in Continuous Integration Platform and managed all operational activities related to DevOps Systems using **Jenkins & Ansible**
- Highly skilled in **Linux, Ansible, Agile Methodologies, DevOps, Terraform, Docker, Kubernetes, AWS cloud services and Python**
- Examined application performance and ensured its maximum availability & reliability; **troubleshoot application, server, system, analyzed log/data and performed Root Cause Analysis (RCAs)**
- Proven success in exceeding quality of service commitments and in resolving complex & critical system issues **within set SLA**



### Organizational Experience

**Feb'19 - Sep'20 with FIS Global, Indore as Product Delivery**

#### Engineer Key Result Areas:

- Building, deploying, automating and configuring IT solutions using DevOps platform; implementing reusable components and translating technical requirements. Using the tools like Terraform and Ansible for the purpose.
- Building automated deployments through the use of configuration management technology; deploying new modules and upgrades and completing fixes within the production environment
- Worked on AWS, Database Services, Computing services & Storage, Elastic Kubernetes Services.
- Creating the Helm charts for the Kubernetes deployments of different services.
- Working closely with the Development Teams to resolve issues related with Software Configuration Management
- Implementing code builds and automating deployment procedures; eliminating dependencies on build and release in collaboration with other departments; outlining build and deployment procedures in consultation with developers; executing application-specific deploy processes

**Sep'20 - Jan'21 with Tripock Labs as DevOps Engineer**

#### Key Result Areas:

- Worked on AWS, Database Services, Computing services & Storage, Elastic Kubernetes Services.
- Creating the Helm charts for the Kubernetes deployments of different services.
- Working closely with the Development Teams to resolve issues related with Software Configuration Management
- Implementing code builds and automating deployment procedures; eliminating dependencies on build and release in collaboration with other departments; outlining build and deployment procedures in consultation with developers; executing application-specific deploy processes

#### Projects Undertaken:

**Jira and Confluence as a Service**

**Key Result Areas:**

- Working on JIRA & Confluence at the production level, providing support at all levels
- Using Ansible and API calls for deployment. Prometheus and Grafana for the monitoring purposes.

## **Ansible Tower as a Service**

### **Key Result Areas:**

- Developing and implementing automation of the deployment
- Using of terraform installation, configuration, migration, failover and up-gradation of Ansible tower cluster
- Managed a team of 2 people while working on the project

## **Image factory**

### **Key Result Areas:**

- Developing Automation to generate secure and pre-configured gold images with updated agents for vSphere and Open Stack

## **Zuul CI/CD pipeline**

### **Key Result Areas:**

- Deploying the Continuous Integration and Continuous Delivery Pipeline so as to deploy Ansible tower with AWS cloud services
- Making tests cases for the further the process of the CI/CD pipeline.
- Created the Helm charts and Deployed Elastic Kubernetes service for the server setup. And provisioned the infrastructure by the extensive use of terraform.

## **Rest API creation**

### **Key Result Areas:**

- Used Node.js to create the backend logic to create csv file of given input.
- Used React.js to create the frontend.
- Used MongoDB for the database.
- Used Docker to containerize the whole deployment.

## **COVID Tracker**

### **Key Result Areas:**

- Used google API's to locate the group of people on google Map.
- Figure out the covid +ve cases in the team and their respective location.
- Containerize the whole deployment.

## **July 2020 – Tripock Labs pvt. Ltd.**

### **Project Undertaken.**

## **Zeblok.**

### **Key Result Areas:**

- Developing the Automation to generate secure and Highly Available Jupyterhub cluster over AWS EKS providers.
- Managing the BEEGFS, MINIO servers deployment using Ansible and Terraform so as to automate and manage the deployment end to end over AWS EC2 service.
- Developed AWS EKS by the extensive use of Terraform and created the helm charts for the deployment of Jupyterhub Notebook.

## **Academic Details**

- **B.E. (Computer Science & Engineering)** from IES IPS Academy, Indore with 6.8 CGPA in 2019
- **12<sup>th</sup>** from Alopi Shankar Higher Secondary School with 78.8% in 2014
- **10<sup>th</sup>** from St. John's High School with 86.8% in 2012

## **Academic Project**

### **May'18- July'18: Arcade and Board Game with the Integrated Leaderboard**

**Role:** Developer

## **Certifications**

- Completed Courses on:
  - Red Hat Certified System Administrator (RHCSA - RHEL8) from Linux Academy in 2019

## Technical Skills

- Ansible
- Linux
- Python
- Terraform
- Zuul,
- Jenkins
- Node.js
- MERN stack
- React.js
- Git
- Docker
- Kubernetes
- AWS Cloud Services
- Rest API

## Personal Details

**Date of Birth:**

11<sup>th</sup> September, 1997

**Languages Known:**

Hindi & English

Singhal Sadan, Shastri Marg, Kailaras District, Morena (M.P.)

