



Prashant Kumar

DEVOPS ENGINEER

Details

A-63 Vikas Nagar Extension
New Delhi, 110059
9643662061
pk Singh1291998@gmail.com

NATIONALITY

Indian

DRIVING LICENSE

DL4 20190024324

DATE OF BIRTH

12 September 1998

Links

[LinkedIn](#)

Skills

AWS

Terraform

Linux

Git

Kubernetes

Python

Ansible

Jenkins

Docker

Gitlab CI/CD

ELK Stack

Prometheus

Helm

Hobbies

Cricket, Cooking, Gardening

Profile

A versatile DevOps Engineer with 2+ years of experience. As DevOps Engineer at Opstree Solution I have set up whole stack, from infrastructure to deployment with best practises for many clients. Implemented SIEM and a member of SOC team.

Employment History

DevOps Specialist, Opstree Solution Private Limited, Noida

JANUARY 2020 – PRESENT

- Worked for multiple clients on multiple domains.
- Created AWS Infrastructure with best practises and CIS compliant using terraform
- In terraform we used modules at level best and git as source
- Used Packer to build AMI with ansible role
- Used Ansible for configuration management
 - Implemented dynamic inventory
 - Implemented roles
- Used Jenkins to automate tasks
 - Implemented Scripted Pipeline
 - Used shared Library
 - Role based strategy as authentication
- Used gitlab CI/CD with complex use cases, created job template for repeated job steps
- In Git implemented prehooks so used can only commit with certain pattern
- Used EKS and ECS as well as for container orchestration
- EKS
 - Implemnted Kubernetes RBAC and created many service accounts with least privileges
 - Implemnted Deployment, Statefulsets, Cronjob and Job
 - Have good skills in kubernetes specific implementation
- ECS
 - Implemnted ECS for one client
 - Used multiple capacity provider for cost optimization and application efficiency
 - Task and Service Definition
- Helm
 - Written kubernetes resources to helm packages
 - Deployment was performed using helm
- ELK/EFK (Elasticsearch Logstash/Fluentd Kibana)
 - Setup application monitoring using ElasticAPM for python application
 - Tracked application errors or aws cloud event activity
 - Used Logstash/Fluentd to send logs from firewalls, other network devices, Instances etc
 - Created Dashboard in Kibana giving important insight
- Prometheus Grafana / Prometheus Loki
 - Set up prometheus/Loki and grafana
 - Setup Alertmanager
 - Created multiple alerts with different destination by labeling alerts and routing them
- Coralogix
 - Coralogix is custom paid tool used by our recent client.
 - Created around 300 alerts on it using terraform provider coralogix

- **Part of Opstree Internal Security**

- Worked on CIS Benchmark for databases like (Mysql, Postgresql, MongoDB) and middleware components (Elasticsearch,)
- Analysis and POC on CIS Whitepaper for each tool
- Worked on automating these checks.
- Created checks is created in ruby with easy syntax and executed it using chef inspec through which written checks can be executed remotely to target endpoint
- Implemented AWS Audit for many clients.
- Created a custom python based utility which checks for all exposed objects in S3 bucket, which returns a spread sheet with public object

Education

Bachelor of Technology Computer Science, Sharda University, Greater Noida

AUGUST 2016 – JUNE 2020

Internships

Android Developer, Softgains Tech Solutions Private Limited, Greater Noida

JUNE 2019 – SEPTEMBER 2019