Abhinav jha

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● Professional Summary

Having 4 + years experience with Futureware technology of professional experience involving installation, configuration of DevOps open source tools either manually or Automated, implementation, automation and support of applications using Chef shell scripts.

- Good experience in other **Amazon web services** which includes **EC2, S3, EBS, RDS, ELB, Route 53, Auto scaling, Security Groups** and Cloud based services like **GCS, Microsoft Azure**,AWS,Python

- Expertise in **UNIX** environment and several flavors of **Linux** including **(Red Hat Enterprise, CentOS** and **Ubuntu**) and passionate for automation of deployment and testing

- Excellent hands on experience on configuration management tool like **Chef, and Ansible**

- Provisioned virtual environments using **Docker and Kubernetes** and **Virtualization** by **Vagrant .cloud testing**

- Experience in Automated processes with custom built **Python, Ruby, Perl & Shell scripts**,test

- Exposed to all aspects of software development life cycle (**SDLC**) such as Analysis, Planning, Developing, Testing and Implementing and Post-production analysis of the projects.

- Good Knowledge of in writing efficient **Oracle SQL** queries

- Hands on experience in Monitoring tool like **Nagios** and **Zabbix monitoring Tool**

- Extensively worked on **Jenkins** and **Hudson** for Continuous Integration,AWS.

- Experience in Administration / Maintenance of source control management systems such as **Git Hub** . Created **tags and Branches, commits and pull requests, fixed merge**

issues and administered **Software Repositories.** Helped to **improve business** in annual results

- Excellent capability to explore, learn and understand newer business domains and technology
- Quick at identifying errors and Troubleshooting ,cloud testing

- Actively manage, improve, and monitor cloud infrastructure on **AWS/Azure, EC2, S3**, and **RDS**, including backups, patches, and scaling , cloud testing

- Reduced costs by **~$3,000** each month by eliminating unnecessary servers and consolidating databases

- Excellent knowledge on **Agile Methodology, ITIL** process and **microservices** architecture

TECHNICAL COMPETENCIES:

Operating Systems	Red Hat Enterprise Linux, Windows 10,
Programming Languages	Python
Scripting Languages	Python, Bash, Shell,
Application/Web Servers	Apache Tomcat, NGINX, HTTP, Web Logic, Jboss, Terraform
Databases	SQL Server,
Log Aggregation	ELK/EFK with Graylog/Kibana
Automation/Monitoring tools	Chef, Jenkins, , Nagios
Source/Version Control Tools	GIT
Cloud Services	AWS, Containerization (Docker, Kubernetes)
Infrastructure as code	Terraform

PROJECTS HANDS ON

Project #1

Role : DevOps Engineer
Environment : Migration

Description:

It's an internal project handled by the core DevOps team.
The main focus was to migrate resources from AWS to Azure in addition to our Cost saving plan

Responsibilities:

- Automating and managing the migration process
- Main idea behind this migration is to use APP service feature in Azure Cloud
- Wrote Terraform code as per the requirement and testing
- Migrated our Kubernetes deploy Application to AKS from EKS as per our Cost saving plan
- Successfully migrated 36 Application Without down time
- Wrote a terraform script for Spin up all infrastructure in single testing

Project #2

Role : DevOps Engineer
Environment : Chef, Jenkins, Git, FREEIPA, Terraform

Description:

Its an internal project handled by the core DevOps team.
The main focus was to provide on-request virtual labs and resources to deploy any Kind of SAAS application on the Local Environment.

Responsibilities:

- Automating and managing Infrastructure using Chef
- Setting up the IPA (IDENTITY, POLICY, and AUDIT) server for our Local environment So that all other SAAS applications will authenticate via this IPA. ● Create cookbooks as per the requirement
- Continuous integration with Jenkins jobs by getting the code from Git and deploying at the end remote host and test
- Git that works as a repository to pull the code over the air and deploy the tool.
- Develop cookbooks for the installations and configurations of the Centralized testAuthentication server
- Using Jenkins for scheduling the parametrized Jobs for single deployment of IPA server as well as for IPA client also for scheduling the parametrized jobs for

Adding host Entry Directly to Our IPA

- Manual works are automated by developing scripts
- Wrote Terraform For Spin up all infrastructure in single click

Project #3

Title : Infrastructure Monitoring & Logging

Company : Futureware Technology

Role : DevOps Engineer

Environment : Ansible, Nagios core, ELK Stack, AWS,Terraform

Description:

The Project is managed and maintained by the core DevOps team, where the team will track and take a backup of each logs coming from several remote host systems present in on premise cloud as well as in AWS.

This is done by recording all terminal related activities of the attacker and filtering the process and tools used. It will be useful to understand what is happening in our Remote host and maintaining its logs. For that we need to install some agents as well as some sniffing tool like Snort also needed some log aggregation tool like ELK

Responsibilities and Contribution:

- Monitoring the servers health status via Nagios tool as well as with Kibana
- Troubleshooting the Nagios server, with the help of ELK stack Logs
- Troubleshooting the instances like restarting, logs, etc.
- Creating EC2 instances via Ansible/AWS Console
- Deploying the software into EC2 instances via Ansible
- Terminating/Stopping/Creating EC2 instances using AWS Console and Chef
- Wrote a shell script to integrate the ELK with Snort
- Wrote a shell script to integrate ELK with Nagios Server
- Automating the environment creation by Ansible
- Wrote Terraform For Spin up all infrastructure in single click code

Project #4

Title : Making All Infra to be Coded
Company : Futureware Technologies
Role : DevOps Engineer
Environment : Terraform

Description:

The project aims to move backward and analyse all the Infra created in the past and make sure to check that it has Tag **Terraformed = False /True**

So that we have an idea for how many resources or infra spinned up with Terraform and without Terraform .

Basically with implementing infra as a code we wanted to reduce some dependency on resources and and yes of course first time it will take a bit more time to spin but for next it will definitely just be a click .

The most important part of implementing Terraform is to reduce Human mistake which personally i have gone through which is very less while using Terraform

Responsibilities and Contribution

- Wrote a terraform for all resources with tag false
- Set up a vault for hiding the secrets information also for taking access for the resource by sharing the token.

EDUCATION:

- B.Tech (EC) - Shambhunath Institute of Engineering & Technology, UPTU University, Allahabad in **2016** with **68%.**