**SAGAR BABU BARATAM**

**Career Objective:**

Aim to work in a role which is stimulating and challenging and gives me chance to learn, lead and grow professionally. A Position which offers growth preferably in Ansible, Kubernetes, Docker, Terraform, Jenkins.

**Tech Stack:**

* Operating System: **Linux (AWS, RHEL, Ubuntu).**
* Cloud Computing Technology: **Amazon Web Services (AWS), VMware.**
* Container orchestration : **Kubernetes, Docker.**
* Configuration Management : **Ansible, Chef.**
* Continuous Integration: **Jenkins**
* Version Control: **Git.**
* Monitoring: **Sensu, Grafana.**
* Infrastructure as code: **Terraform**
* Scripting: **Python**
* Ticketing tools: **Jira, ServiceNow**

**Professional synopsis:**

* 9 years of IT Industry experience comprising of Linux Administration, AWS (Amazon Web Services) admin and worked as DevOps engineer.
* Worked on various projects and had taken up different roles.

**Company: Cognizant Technology Services**

**Project Details:**

* Working in CTS from 2021 to till date as Senior Associate and supporting 2 projects.

1. US based Energy sector company named Florida power lines.
2. Indian based jewelry and watch merchandises like Tanishq and Titan.

**Company: Tata Consultancy Services**

**Project Details:**

* Worked in TCS from 2019 to 2021 as IT analyst and supporting a US based retail electronics

e-commerce company named **BestBuy** which is a top player in that space.

**Company: HCL Technologies**

**Project Details:**

* Worked in HCL Technologies from 2014 to 2019 as a senior analyst and been assigned to two projects mainly **Novartis Pharmaceuticals** and **Alcon laboratories** and worked in different roles, both the companies are Swiss based and are renowned in that space.

**Roles and Responsibilities:**

**Configuration Management:**

* Maintaining the entire configuration using ansible by writing play books and roles.
* Automating the admin tasks like server patching in both cloud and on premise using ansible.
* Reducing the server footprint with Ansible adhoc commands to run any command on any server remotely.
* Updating the ansible roles with newer versions of configuration and apply them on infrastructure.
* Manage the java keystore renewals on tomcat servers using ansible.

**Cloud Computing Technology:**

* Managing the on-premise infrastructure using VMware and work tasks ranging from creating server templates, migrating using Vmotion, working on datastores etc.
* Managing the ESXI hosts and doing the hardware patching and firmware patching on them and deal with vendors to fix the hardware issues like disk failures, system board failures and securing the infrastructure with timely updates.
* Managing the AWS infrastructure and as part of which I need to work on services like EC2, S3, IAM, ELB, VPC, KMS, ELB etc.
* Manage the VPC’s by creating and deleting route tables, internet gateways, elasticip’s, ELB’s, security groups, NAT gateways etc. using both command line and infra provisioning tools.
* Maintain the static application code in S3 bucket and make the buckets accessible from EC2 instances.
* Experience in migrating existing on-premise workloads to cloud and auto scaling in cloud environments.

**Container orchestration**:

* Managing the Kubernetes workloads on **AWS** using **EKS** with **Docker** as container runtime.
* Troubleshooting the pod logs to find hiccups in applications level and fixing them.
* Maintain the persistent volume claims with AWS EBS as a backend storage.
* Worked on various **Kubernetes** components like Configmaps, Deamonsets, and worked on scheduling and load balancing.
* Writing the docker files and maintain the versions in registries and troubleshoot the container level issues of docker.
* Has a good understanding on docker image building, docker swarm, docker networking.

**Continuous Integration & Version Control:**

* Maintaining the code using Git.
* Perform all necessary day-to-day activities like Check-in, Checkouts, branching, tagging, and Merge conflict resolution in **Git**.
* Writing the CI/CD pipelines using declarative syntax in **Jenkins** for with different stages and test cases.
* Troubleshooting the Jenkins build failures and fixing them with necessary actions.
* Creating the build triggers using webhooks and can start the Jenkins build whenever the code is committed.

**Infrastructure as code:**

* Converting the existing infrastructure into immutable infrastructure using terraform as an infra provisioning tool.
* Writing the terraform scripts for AWS environment and maintaining the state files in S3 buckets.
* Writing modularized code with improved logic using loops, data types, expressions, functions, variables, outputs, data sources.
* Managing the entire cloud infrastructure using terraform including the Kubernetes clusters.

**Monitoring**:

* Work on sensu alerts daily for different environments for different checks and fix them with appropriate resolution.
* Use Grafana for graph visualization as first step of troubleshooting in any infra level issue to understand what went wrong.
* Use Grafana extensively during the peak load and auto scale the infra based on the performance or resource crunch.
* Work on PagerDuty alerts for critical issues and resolving them.

**Linux Administration, Middleware and Scripting:**

* End to end administration of Linux boxes. This includes post O.S installation tasks like users and groups access management, Linux file system-LVM management, service/software installation, disk (storage) management, Server network management and server hardening etc.
* Managing the SSL certificates with Venafi and renew them whenever they expire.
* Troubleshooting application related issues (Nginx, Apache, Jboss)
* Ensure maximum uptime of the servers and application to ensure un-interrupted services to the end customers of the client.
* Assist the Application’s development team with any issues or requests related to the production environment.
* For new applications, work with development to get the requirements of application build and deployment process.
* Building the applications (Provisioning servers, network configuration, load balancing, ssl certificates, security patches, deploying the code).
* Writing automation scripts in python as per the need and requirement and very interested in using and learning python.

**Accomplishments:**

* Got an Award from Project head for giving an idea in process improvement which saved the company from 200 hours of human effort.
* Received a reward for closing the highest number of pending issues in a quarter.
* Lead a team of 4 people within one year of my joining for special billable project (identify the orphan assets, legacy systems and upgrade them to latest or decommission them if not required) and completed it with in the deadline of 6 months.

**Personal Details:**

**GitHub page:** <https://github.com/sagarbaratam/>

**LinkedIn Profile:** https://www.linkedin.com/in/sagar-baratam-968b5113a/

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**Declaration:** I hereby declare that the particulars furnished above are true, complete, and correct to the best of my knowledge. (B. Sagar)