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AWS/DevOps Engineer

Summary

Experienced DevOps Engineer dedicated to automation and optimization for 3+ years. Understands and manages the space between operations and development to quickly deliver code to customers. Has experience with the Cloud as well as DevOps automation development for Linux and Windows systems. Brings maturity, enthusiasm and a drive to new technologies along with real world experience.

Core Competencies

Knowledge of Linux, cloud computing, Networking, Monitoring.

Technical Skills:

- **Operating System:** Linux, Ubuntu, windows.
- **Cloud Technologies:** AWS (VPC, EC2, S3, Lambda, RDS, IAM, etc).
- **Scripting Languages:** Shell scripting, PowerShell scripting, Basic python script.
- **Configuration Management:** Ansible
- **Continuous Integration tool:** Jenkins
- **Monitoring Tools:** Cloud watch, Nagios, Grafana.
- **Version Control Tools:** GIT, GITHUB.
- **Automation tools:** Terraform, Cloud formation.
- **Orchestration Tools:** Docker Swarm, Kubernetes.
- **Database:** MySQL, PostgreSQL, DynamoDB.

Professional Experience:

Working as **Aws DevOps Engineer** in KEENO TECHNOLOGIES PVT LTD, Bengaluru from Sep 2019 to till date.

DevOps Engineer:

Keeno Technologies Pvt Ltd

Bengaluru

- Involved in setting up the new build environment for various applications in **Windows/Linux** environment.
- Created and Maintained **GitHub** repositories, branches for multiple pods and responsible for updating the configuration tags in pom.xml.

- Primary responsibilities include build and deployment of the java applications on to different Environments like **Dev, Test, Snapshot and Production**.
- Implementing Jenkins continuous integration tool including installing setting the jobs/plans and setting up **CI/CD** pipelines for deployment.
- Responsible for build, release and configuration management of systems (**Ansible**) in production.
- Experienced in **docker, docker swarm**.
- Responsible for automating deployment in **Kubernetes cluster** using docker and Jenkins.
- Experienced in Setting up the **build** and **deployment** automation for **Terraform** scripts using **Jenkins**.
- Created multiple **terraform modules** to manage configurations, applications, services and automate installation process for Web Server and **AWS Instances**.
- Have strong **shell scripting** and automation skills.
- Having good knowledge on **Windows, Linux server** administration.
- Good knowledge in defining AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2** instances.
- Involved in configuring and Networking of Virtual Private Cloud (**VPC**). Setup Managing VPC, Subnets make connection between different zones.
- Involved in Configure and maintain the Users and Groups policies and permissions in **IAM**.
- Responsible for deploying, automating, maintaining and managing AWS Cloud based services like **EC2, AMI, Subnets, VPC peering, S3, Lambda, ECR** to ensure high availability, scalability in terms of horizontal /vertical and security of systems in production.
- Experienced in Create **AWS AMI** with **PACKER**
- Expertise in **Docker** containerized environment, hosting web servers on containers, building docker images using **Docker File**
- Experienced in Automated resource creation process using **JSON, Bash/Shell, and Python scripts** through pre-boot and bootstrapping process.

AWS:

- Managing Amazon Web Services (AWS) infrastructure with automation and orchestration tools such as JSON.
- Proficient in AWS services like **VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, Elastic Cache, ELK**.
- Use best practice to create IAM users in AWS.

- Responsible for resource allocation on EC2 instances (virtual servers) to include disks and instance class.
- Configure **multi-factor authentication** (MFA) for user accounts in the cloud.
- Create and attach **EBS volumes to EC2 instance**.
- Identify opportunities for AWS cost optimization.
- Perform routine security scans using **AWS CloudWatch**.
- Work directly with Identity and Access Management team to troubleshoot permissions (policies).
- Used **security groups, network ACL's, internet gateways and route tables** to ensure a secure zone for organization in AWS public cloud.
- Created **S3 buckets** in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- Used **AWS Beanstalk** for **deploying and scaling web applications and services developed** with Java. Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Possess good knowledge in creating and launching **EC2 instances** using AMI's of **Linux, Ubuntu, and Windows** and wrote shell scripts to bootstrap instance.
- Written cloud formation templates in **JSON** to create custom **VPC, Subnets, EC2 Instances and NAT** to ensure successful deployment of web applications.
- Maintained the **monitoring and alerting** of production and corporate servers using **Cloud Watch service**.
- Environment: **AWS EC2, VPC, ELB, S3, EBS, RDS, Route53, Cloud Watch, JSON, CloudFormation, AWS Auto Scaling, Elastic Bean Stalk, GIT, SQL, Jira, AWS CLI, Unix/Linux, Shell scripting, Jenkins, Terraform, Tomcat, Docker, ECR, ECS, EKS.**

Education:

Bachelor of Technology (**Mechanical**) in **2019**
St.Mary's Group of Institution, Hyderabad.

Certification:

DEV AUTOMATION

<https://triplebyte.com/tb/shashi-patel-9huqclf/certificate>

Declaration:

I hereby declare that all the information given above is true and correct to the best of my knowledge.

(Shashidhar)