Madhuri Yarra

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**Career Objective**

Seeking a growth oriented career in world of information and Cloud Technologies, Where I have more scope to learn advanced technologies and utilizing my skills in **DevOps** world.

**Professional Summary**

* Having 5.4+ Years of experience as a DevOps engineer in the fields of automation, configuration management, cloud service and handled the following activities.
* Expertise in using **Jenkins,** **Docker**, **Ansible**, **Kubernetes**, **Git**, and **AWS** , **AZURE** cloud services which reduces the effort of developer’s operation team in performing maintenance and daily operations.
* Expertise in setting up and maintaining **CI &CD** pipeline using tools like **Jenkins, Github,** & Jfrog artifact repository’s.
* Expertise in using versioning artifacts and stores in repositories.
* Experience in Kubernetes definition files for pod, services, deployment, replication controls, replication Set.
* Expertise on Docker containerizing services and Docker networks.
* Experience on Dockerfiles to build the Docker images.
* Experience in using Docker for successful setup of **DEV & TEST** environments for Developers and Testers by using Docker Build and Compose.
* Extensive experience in using Version control systems like **GIT**.
* Expertise in using Application and Environment configuration using **Ansible**.
* Experience in installing, configuring and administering **Jenkins**.
* Configured Jenkins jobs, install plugins for generating project artifacts.
* Experience in creating nodes in Jenkins, which distributes the loads and run the jobs parallel.
* Expertise in AWS cloud services such as **EC2, EBS, AMI, IAM, VPC,S3 and ELB.**
* Expertise in AZURE cloud services such as **Virtual Machines, vNets, vNet peering, Loadbalancers, DNS, Firewalls, Application gateway, App services and Azure SQL database.**
* Experience in creating backups of EBS and restoring it in desired locations.
* Design high available, cost effective and fault tolerate systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer & AMIs.
* Securing and distributing network traffic by setting up high available **VPC**.
* Design roles and groups for users and resource tags using AWS Identity and Access Management (**IAM**).
* Actively participate in daily SCRUM meetings and perform daily risk analysis of backlogs.
* Knowledge in Configuring and managing **Maven** build tool and **GIT** Version control system.
* Have hands on experience on writing Terraform modules to automate the infrastructure os different AWS services.
* Have experience on managing different versions of Terraform modules and planning and applying modules across different Environments.
* Managed complete project cycle right from requirement analysis to system study, build and release management, deployment, testing, de-bugging, documentation and implementation.
* Executing builds, Interaction with development and QA teams.
* Installing, Configuring and managing of Active directory, DNS.
* Hands-on knowledge of software containerization platforms like Docker and container orchestration tools like Kubernetes

**Work Profile**

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| --- | --- |
| Operating Systems | Windows , Linux (Ubuntu , Centos) |
| Version Control | GIT |
| Build Tool | MAVEN |
| Continuous Integration Tools | Jenkins, VSTS(Azure Devops) |
| Configuration management Tools | Ansible |
| Containerization& VM | Docker, kubernetes |
| Scripting Languages | Shell Scripting, YAML |
| Artifact Repository | Jfrog |
| Web Server | Apache |
| Application Server | Tomcat |

**Professional Experience**

* Working for Infosys Pvt Ltd as a DevOps engineer from Sept 2017 to till date.

**Projects Handled**

**Project #2**:

Project Title : Consolidated Audit Trails (CAT)

Client : Ameriprise.

Role : DevOps Engineer

Duration : Nov 2019- Till date

Team Size : 7

Environment : Azure cloud

Description:

This project involves migration of billions of files (Petabytes in size) from on-premise storage clusters to Azure storage accounts to reduce the storage cost.

Roles and Responsibilities:

* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs),Firewalls, VMs and subnets,
* Configured Azure Virtual Networks (VNets), subnets, Azure network settings, CDIR address blocks, DNS settings, security policies, Vnet Peering.
* Configuring the Application Gateway and Triggered the Backup policies.
* Configured the different types of LoadBalancers, VMSS and Availability sets.
* Automated few ARM resource creations using ARM templates.
* Configured PaaS services like App service, Azure CDN.
* Expertise in Blob storage and File storage.
* Hands on experience in Replication services LRS, GRS and ZRS.
* Exposure to SDLC Activities like Agile methodology.
* Migration of Azure VMs from Classic portal to ARM portal.
* Migration of on-premises VMs to Azure.
* Enabling and configuring the Backup policy on Virtual Machines
* Managing entire Azure infrastructure services.
* Configuring the Firewall service with Network rules, Application rules.
* Experience in Deployment of Active Directory Forests in azure environment**.**
* Configuring Site-to-Site VPN connections

**Project #1**:

Project Title : Personal Corporate and Banking (PCB)

Client : Barclays Inc.

Role : DevOps Engineer

Duration : Nov 2017- Oct 2019

Team Size : 7

Environment : GIT, MAVEN, JENKINS, ANSIBLE, DOCKER, Jfrog, Kubernetes.

Description:

Barclays is a multinational banking and financial services company located in UK. It is a universal operations in retail, wholesale and investment banking, as well as wealth management, mortgage lending and credit cards. It has operations in over 50 countries and territories and has around 48 million.

Roles and Responsibilities:

* Experience in cloning the repository and creating branches and tags from master to separate build system after a milestone releases.
* Create and establish build process using **Maven** to perform builds efficiently and deployment of the application in Tomcat.
* Monitoring the builds using Continuous Integration tool like **Jenkins**.
* Expertise in using Application and Environment configuration using **Ansible**.
* Extensive experience in using Version control systems like **GIT**.
* Used **Docker** for setting up application specific container to the Testing environment on the Developer environment.
* Building the **Docker** Images using Dockerfile while Building the application using **Maven** in **Jenkins**.
* Experience in creation of Pods, Replicationsets, Service Manifest files and Deployment files.
* Had Experience in Rolling Updates, NodePort configurations, Azure Kubernetes service(AKS).
* Handled multiple environment builds to create build setup and perform deployment activities.
* Configuration of Jenkins CI tool for automated build and Integrating Jenkins with **Docker.**
* Worked on the **Aws Resources** for the migrating from on premises to Cloud Environment.
* Creating **Ec2** instances and configuring packages and configuration using **Ansible and Terraform**
* Creating **VPC** and Creating **Public Subnet and Private Subnets** in Aws Cloud.
* Creating **Volumes** and taking **snapshots** and attaching Volumes to the Ec2 instances on demand.
* Created different types **s3** buckets and enabled the Lifecycle policies.
* Install Plug-ins on need basis in Jenkins.
* Working for IBM India Pvt Ltd as a DevOps engineer from May 2015 to Sept 2017

**Projects Handled**

**Project #1**:

Project Title : Archroma

Client : WPP

Role : DevOps Engineer

Duration : Sept 2015- Aug 2017

Team Size : 8

Environment : AWS Cloud, Linux operating systems.

Description:

Fourth shift offers comprehensive support, development, enhancement and integration and implementation services for Amazon web services

Roles and Responsibilities:

* Having regular onsite calls for gather requirements on existing supporting applications.
* Launch the EC2 instance based on requirement, Performing the instance stop, start and Reboot Actions based on requirement.
* Creating the S3 bucket (Public & Private) and adding the policies to securely connect to s3 buckets.
* Creating the IAM user and grating the permission using IAM role and polices to securely use of aws resources.
* Creating the Cloud watch and send the notification to respective stake holder’s when it reaches the threshold using the SNS topics.
* Creating the EBS and EFS volumes and attaching to EC2 instance and providing timely support to restore and mount on target paths.
* Creating our own Virtual private cloud and Write the inbound and outbound rules for Security groups and network ACLs
* Automating the Cloud Env using Terraform.
* Securing and distributing network traffic by setting up high available VPC.
* Design roles and groups for users and resource tags using AWS Identity and Access Management (IAM
* SSh file authentication like password less from one server to another server key generation, File System mounting and unmounting.
* Basic User Administration requests [ user add, group add, passwd reset password lock / unlock]
* 24\*7 on call support.

**education/academics**

B-Tech in Electronics & Communication Engineering from Jawaharlal Nehru technological University In 2013.

**Declaration**

I hereby declare that the above information furnished is true to the best of my knowledge and belief

**Madhuri Yarra**