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| ***Name DevOps/AWS Engineer*** | Email :xxxxxxxxxxxxxxxx@gmail.com  **Contact: +91-xxxxxxxxxx** |

**PROFESSIONAL SUMMARY:**

Over 4.5 years of substantial IT experience with in **AWS cloud** services, **DevOps**, Build and release Engineering, Software configuration Management (**SCM**), Cloud Infrastructure Automation using **Terraform**.

* Experienced in branching, merging, tagging and maintaining the version across the environments using SCM tools like Git.
* Implemented multiple **CI/CD** pipelines as part of DevOps role for on-premises and cloud-based software using **Jenkins, Nexus, Ansible and AWS, Docker and Kubernetes.**
* Extensive experience using **MAVEN** build tools for the building of deployable artifacts (**jar, war & ear**) from source code.
* Experience in using various Devops tools like **Jenkins, Maven, GIT<GitHub, Ansible and Docker and Kubernetes.**
* Worked on **Jenkins** by installing, configuring and maintaining for the purpose of **Continuous integration** (CI) and for End to End automation for all build and deployments.
* Involved heavily in setting up the **CI/CD** pipeline using **Jenkins, Maven, Nexus, GIT, GitHub,**

**Kubernetes** and **Docker** as a containerization tool**.**

* Experience working on several **Docker** components like **Docker** Engine, creating Docker images, Compose. Docker Registry and handling multiple images.
* Installing and Setting up **Kubernetes Cluster Using AWS KOPS.**
* Created Manifest files **in using Kubernetes objects like POD, Replica set, Service and Node Port, Deployment etc.**
* Experience in various Amazon web services products like EC2, S3, RDS, IAM and VPC.
* Experience in creating **Terraform** scripts for designing a cloud agnostic environment
* Installation and configuration of apps on cloud.
* Enterprise and Premium support for **EC2** infrastructure
* Managing AWS instances via monitoring tool and action the alerts accordingly.
* Providing assistance on setting the AWS environment and also providing support on adding ports to security groups and **NACLs** to **VPC**.
* Configuring topics for email and SMS in AWS Simple Notification Services (**SNS**).
* Installing and configuring applications on AWS **EC2** Instances.
* Knowledge and hands on experience on AWS **Cloud Watch** and **Cloud Trail** services.
* Creating variety of dashboard using AWS Cloud Watch.
* Hands on experience in using various **DevOps** tools like **Jenkins, Maven, GitHub, Ansible and Docker.**
* Worked on **Jenkins** by installing, configuring and maintaining for the purpose of **Continuous integration** (CI) and for End to End automation for all build and deployments.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Excellent communication, team membership and relationship management skills.
* Experience in Installation and Configuration of **Apache web server**.
* Hands-on experience on Linux.
* Experience in Monitoring & Health-Check of web and application server environments.
* Good experience in **server configurations** and **installations** and **modifications** as per requirement.
* Created **PlayBooks** for installation and configuration of CICD tool also created PlayBooks for jenkins jobs.

**EXPERIENCE:**

* Working as a **AWS/ DevOps Engineer with xxxxxxxxxx**, **Bangalore** from **xxxx to till date**
* Worked as a **DevOps Engineer** at **xxxxxxxxx** , **Bangalore** from **Aug’ xxxx to xxxxxxxxx**

**EDUCATION:**

* **M.Sc** Computer Science from xxxxxxxxxxxxxxxxx.University In xxxxx

**Technical Skills:**

**Application/Web Server :** Apache Tomcat

**Build Tools : Maven**

**Operating Systems : Centos, Ubuntu, Windows 7,8,10**

**Version Control Tools : GIT, Github, Bit bucket**

**Scripting Language :** Shell

**Programming Language : Core java**

**CI and CM, Container tools :** Jenkins, Ansible, Docker and Kubernetes

**Monitoring Tools** **:** Cloud Watch, ELK

**Cloud Technologies :** AWS, AZURE

**AWS Services :** EC2, ELB, VPC, RDS, IAM, S3, SNS, SQS,

,EBS, Subnet and ELB, Auto Scaling

**Project Experinece:**

**AWS/DevOps Engineer**

**Solar Turbines, San Diego, CA Nov’ xxxx to till date**

**Responsibilities:**

* Created Scripted pipeline (Groovy) Using Jenkins Pipeline script
* Wrote playbooks for **Ansible** and deploying applications using **Ansible.**
* Provisioning of AWS resources via **Terraform Code.**
* Worked with automation/configuration management using **Ansible** create playbooks to automate the Development process.
* Created **Docker** images using a **Dockerfile** worked on **Docker containers**, removing images, removing containers and managing **Docker volumes**.
* Managed **Kubernetes** charts using Helm.
* Set up CI (Continuous Integration) for **major releases in Jenkins**.
* Involved in managing version control tools like **GIT.**
* Managed all SCM activities like **branching/tagging/merging** in GIT.
* Maintained the repository of configuration items of all projects.
* Used **MAVEN** as a dependency management tool to manage all the dependencies that are required
* Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process.
* Implemented the setup for **Master slave** architecture to improve the Performance of **Jenkins**
* Setting Up **Kubernetes Cluster** Using **AWS KOPS**
* Installing **Kubernetes Using AWS KOPS .**
* Deploying Micro serviices application in Kubernetes Cluster.
* Created Manifest files **in using Kubernetes objects like POD, Replica set, Service and Node Port, Deployment etc.**
* Managed Kubernetes manifest files and managed releases of Helm packages.
* Maintaining S3 services like uploading/downloading files, configuring/editing bucket policies.
* Launching Virtual Private cloud (**VPC**), creating **Subnet** in the VPC, launching EC2 instance and **RDS** Database Instances, configuring and maintaining the **Route Table**, **Internet Gateway** within the VPC.
* Launching a Database instance, configuring the security group and maintain the **snapshot** of the **RDS database**.
* Creating and managing users, groups and roles and assigning roles to the EC2 instances with identity and management system.
* Creating an **SNS topic** for receiving alerts from an **Email, HTTP and HTTPS protocols** for application status.
* Monitoring and configuring the **Cloud Watch metrics** for the EC2 servers also configured sending custom metrics like Tomcat memory and Tomcat thread count to **Cloud Watch**.
* Creating listeners for ELB
* creating and setting up **SSL** certificates
* Create alarms for instances using **Cloud Watch** connecting putty and sending notification through **SNS**.
* Launching **EC2** Linux instances in Amazon cloud.
* Associating **Elastic IP**’s to the instances.
* Creating **EBS** volumes and attaching to instances and creating partitions and drives.
* Creating **AMI**’s from Instances.
* Creating **Snapshots** for Volumes.
* Provisioning of AWS resources via **Terraform.**
* Creating **Security Groups**, changing rules and restricting access.
* Creating **Cloud Watch Alarms** along with **SNS** notifications.
* Working with Cloud Watch **Graphs**.
* Launching Instances inside **VPC**.
* **Deploying** applications in **Tomcat server**.
* Analyzing logs for specific error and specific time period.
* Adding health check ping target in **ELB**.
* Creating listeners for ELB.
* Changing **Health Checks** in ELB.

**Role: DevOps / Cloud Engineer**

**Ford Motor Company, MI Aug’ xxxx – Oct’ xxxx**

**Responsibilities:**

* Configure and Maintain user accounts for teams using IAM and assign roles to them to access resources like EC2, RDS, S3, VPC, SNS
* Launching EC2 instances using Amazon web services (Linux/Ubuntu) and configure them as per the application requirements
* Configuring and networking of Virtual Private Cloud (**VPC**)
* Setup Elastic Load Balancer for distributing traffic among multiple web and application servers
* Responsible for installing Jenkins on the server using AWS EC2 instance
* Setup the Continuous Integration/Continuous Deployment (**CI/CD**) process
* Experience in creating alarms and notifications for EC2 instances using **CLOUDWATCH**
* Configured Jenkins with GitHub and schedule the jobs on every commit made by the team using GitHub web hook
* Configured Jenkins using the Slack plugin to notify the team about the build and deploy job status with the appropriate information.
* Used **GIT** and **GitHub** for managing source code by resolving merge conflicts that occur during collaboration of various stakeholders of the application.
* Worked with **Docker** for convenient environment setup for development and testing
* Created **Ansible** playbook and roles to install and configure Jenkins
* Created Ansible Playbooks to deploy applications in the **AWS EC2** nodes using **Ansible** Dynamic inventory
* Deployed applications to the corresponding nodes using **Ansible** driven by Jenkins
* Created Terraform scripts for designing a cloud agnostic model of the current infrastructure
* Maintained and enhanced existing puppet modules to be deployed across various providers and deployment architectures
* Deployed applications into **AWS** servers by configuring the service **Elastic Bean Stalk** to create required load balancers, **EC2** instances
* Setup pipelines in Bitbucket and Jenkins for automation as part of the **CI/CD process**
* Easing the development and deployment pipeline with the implementation of **Docker** containerization to ship features maintaining security
* Installed **Docker** Registry for local upload and download of **Docker** images from **Docker** hub
* Implement quick and rapid provisioning by collaboratively working with cross functional teams through Agile Methodology
* Coordinating with development teams and recommending the changes needed to improve performance