Name
DevOps/AWS Engineer

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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