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Objective:

Looking for a challenging role in IT cloud industry & DevOps tools where I can employ my skills & experience for the mutual pride and development of both organization and my career.

Professional Summary:

- ✓ Having experience in **DevOps** tools and **AWS** Cloud platform within support and Maintenance in environments like AWS cloud and Virtual box infra and focussing on different DevOps tools and AWS Cloud Services.
- ✓ Used various AWS provided services like **VPC, Subnets, Gateways, EC2, ELB, ASG, S3 storage, EBS, EFS, Cloud front, Route53, SNS, CloudWatch, security groups** and **IAM**.
- ✓ Designed highly available, cost effective and fault tolerant systems using multiple **EC2 instances, Auto Scaling, Elastic Load Balancer** and **AMIs**.
- ✓ Automation using **Terraform** code to create custom sized **VPC, subnets, NAT, IG, EC2 instances, security groups & NACLs**.
- ✓ Implement and maintain monitoring solutions at the server and application level to increase visibility in day-to-day operations and issues using **CloudWatch**.
- ✓ Managing **EBS volume** and taking the snapshots of EBS volume and resize the EBS volume.
- ✓ Setting-up **S3 bucket** for logs, storing application data and backups.
- ✓ Setting up the **object permission, bucket permission, bucket policy** and **CORS**.
- ✓ Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.
- ✓ Experience in Creating snapshots and Amazon machine images (**AMIs**) for backup and creating clone instance
- ✓ Experience in Access management via **IAM**, providing access to the user according to their role
- ✓ Having knowledge in AWS managed services like **VPC**, Elastic file system (**EFS**), **CloudFront** etc.
- ✓ Hands on experience in Windows and Linux environment and expertise in several flavors of Linux including **Red Hat, Ubuntu** and **Amazon Linux**.
- ✓ Having very good knowledge in user management, file management and system management, Process management etc.
- ✓ Experience in understanding the Principles of Software configuration management (**SCM**) in waterfall, Agile and Scrum methodology.
- ✓ Extensive experience in using Version control system like **Git** and Experience in using build automation tools like **Maven**.
- ✓ Experienced in using Build Automation scripting like **Maven** as build tools for building of deployable artifacts (JAR, WAR) from source code.
- ✓ Excellent hands on experience on iac tools such as configuration management tools like **Ansible** and Infrastructure automation tool like **Terraform**.
- ✓ Experience in using **Tomcat** and **Apache** web servers for deployments.
- ✓ Good Hands-on experience in creating **Jenkins** jobs, plug-in installations, setting up distributed builds using master/slave concepts.

- ✓ Automated deployment of builds to different environments using **Jenkins**.
- ✓ Experience in **Docker** like creating Docker images, containers, Docker files, tagging and publishing to Docker Hub.
- ✓ Writing **Dockerfile** using **docker directives** to create customized docker images and to store the containerised application data permanently using **docker volume** or **Bind mount**.
- ✓ Setting up Kubernetes using EKS, KOPS and Kubeadm.
- ✓ Writing manifest files to create **deployments** and **services** for micro service applications.
- ✓ Configuring Persistent volumes (PVs), PVCs for persistent database environments.
- ✓ Worked on daemonsets, configMaps, Secrets, etc.

Work Experience:

- ✓ Worked as a dot net developer in **All India Institute of Medical Sciences** for 1.5 years.
- ✓ Working as DevOps and AWS Cloud Engineer in **Mirelaa Healthcare Private Limited**, Faridabad, India from May 2019 to till.

Technical/ Functional Summary:

AWS Cloud Platform	Amazon EC2, VPC, S3, EBS, EFS, ELB, Auto-scaling, CloudFront, CloudWatch, SQS, SNS, Snowball, Glacier RDS, AuroraDB, IAM
Operating systems	Ubuntu, Amazon Linux, RHEL6.7, Windows 10, 11
Languages	Bash Shell Scripting, Basic (java, yaml, Json)
Version Control Tools	SVN, GIT, GitHub, Bitbucket
Build Tools	Maven
Application server	Apache https, Apache Tomcat
Infrastructure Provisioning tool	Terraform
Configuration Management Tools	Ansible
Code quality Inspection Tool	SonarQube
Source code management Tool	Jfrog Artifactory, Nexus
CI/CD tools	Jenkins
Containerization Tool	Docker, Docker-Compose, Kubernetes
Monitoring Tool	CloudWatch, Nagios
Ticketing Tool	Jira

VI. Education:

Bachelor of Engineering in Computer Science from Imperial College of Engineering (ICOER), Pune University.
Projects Summary:

Project #1:

Employed : **Mirelaa Healthcare Pvt. Ltd.**
Project Name : Mirelaa internal project
Role : DevOps and AWS Cloud Engineer
Environment : AWS, Terraform, Jenkins, Ansible, Git, Docker, Kubernetes, Nagios

Roles & Responsibilities:

- ✓ Responsible for **AWS** infrastructure & end to end **CI/CD** workflow
- ✓ Implemented AWS Cloud platform and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos calling, Cloud Front, IAM, S3, R53**. Create, manage the roles, give the access to users at Jenkins & AWS level.
- ✓ Write **Terraform** code & **Ansible** playbooks to build end to end infrastructure using **Jenkins**
- ✓ Working experience with **S3 buckets** & create **static websites**, configure websites using **CloudFront**.
- ✓ Experience in and demonstrated understanding of source control management concepts such as branching, merging, labeling and integration.
- ✓ Experience with creating, managing different **Jenkins** jobs like Multi branch **pipeline, pipeline, freestyle jobs**.
- ✓ Experienced in creating multiple **VPC's** and **public, private subnets** as per requirement and distributed them as groups into various availability zones of the VPC.
- ✓ Integration of different DevOps tools, AWS cloud with Jenkins to deploy services on different environments like dev, QA, UAT & Prod.
- ✓ created & managed master & feature branches on **GitHub** & working on different merge requests.
- ✓ Working experience with different **Docker registries** like local registry & **AWS ECR**.
- ✓ Used **Kubernetes** to orchestrate the deployment, scaling & management of **Docker containers**.
- ✓ Deploying dotnet microservices on Kubernetes cluster using blue green deployment method.
- ✓ Used **IAM** for creating roles, users, groups and implemented **MFA** to provide additional security to AWS account and its resources.

Project #2:

Project Name : **fithealth, fithealth2**
Role : DevOps Engineer
Environment : AWS, Linux, Git, Jenkins, Ansible, Terraform, Docker, Kubernetes.

Roles & Responsibilities:

- ✓ Used **Git** Hub repository to run **Jenkins** job for Continuous Integration.
- ✓ Installing and Configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
- ✓ Designed and documented CI/CD tools configuration management.
- ✓ Managing the working environments through configuration management tool **Ansible**.
- ✓ Working on **Ansible Playbooks** to bring the required infrastructure changes.
- ✓ Automated deployment of builds to different environments using **Jenkins**.
- ✓ Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
- ✓ Experience in **Docker** like creating Docker images, containers, Docker files, tagging and pushing to Docker Hub.
- ✓ Created and managed multiple containers using **Kubernetes**. And creating deployments using Yaml code.
- ✓ Performing the regular tasks that include cloning, pulling the repositories, branching and merging.
- ✓ Responsible for creating Artifacts using **Maven** and deploying those artifacts into **Tomcat Server**.
- ✓ Setting up **EC2 instances** and prerequisites on the instances for deploying the applications.
- ✓ Designing and deploying **AWS** solutions using EC2, S3, Elastic Load balancer (ELB), auto scaling groups.
- ✓ Provisioning of AWS instances using **Terraform** and creating modules to create infrastructure of aws.
- ✓ Experienced on writing JSON code for creating infrastructure.
- ✓ Experienced in creating multiple **VPC's, public, private, hybrid subnets** as per requirement and established connectivity to AWS Resources in another VPC in another region using **AWS VPC** Peering.
- ✓ Have strong knowledge of **Transit Gateway**.

- ✓ Used security groups, network **ACL**'s, internet gateways and route tables to ensure a secure zone for organization.
- ✓ Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.
- ✓ Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- ✓ Creating **S3 buckets** and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- ✓ Used **CloudWatch** to set alarms for notifications or automated actions, and to monitor logs for a better understanding and operation of the system.
- ✓ Strong working knowledge on **GIT**.
- ✓ Installed and configured **Nexus** repository manager for sharing artifacts between internal teams.
- ✓ Used Maven dependency management system to deploy SNAPSHOT and RELEASE artifacts to **Nexus** to share artifacts across projects.
- ✓ Configured and managed Git plugins in **Jenkins** server.
- ✓ Responsible for configuring the slave nodes in **Jenkins**.

DECLARATION

I hereby declare that the information provided is true to the best of my knowledge and belief.

Date:

Manjari Kumari

Place:

Sig: