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Professional Summary:

- ✓ Having **4.1 years of experience** as a **DevOps** and **AWS Cloud** engineer, Support and Maintenance in environments like Linux Enterprise, Centos and focus on DevOps tools and AWS Cloud Architecture.
- ✓ Experience in working on AWS and its services like **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Route 53, CloudWatch, SNS, SQS** create custom sized VPC, subnets, NAT, and Security groups.
- ✓ Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs.
- ✓ Establishing connectivity to AWS Resources in another **VPC** in another region using AWS VPC Peering.
- ✓ Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.
- ✓ Creating alarms in **CloudWatch** service for monitoring the server performance, CPU Utilization, disk usage.
- ✓ Used Amazon **RDS** to create snapshot and automate backup of database.
- ✓ Experience on DevOps essential tools like **Ansible, Docker, Kubernetes, GIT, Jenkins, Maven** to AWS and Managed Services like EC2, S3, Route53, ELB, EBS.
- ✓ 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.
- ✓ Automate Deployment using configuration Management tool like **Ansible** to Continuous Deployments.
- ✓ Experienced in using Build Automation scripting like **Maven** as build tools for building of deployable artifacts (JAR, WAR) from source code.
- ✓ Worked on Provisioning of AWS instances using **Terraform** and User data.
- ✓ Experience in using **Tomcat** and Apache web servers for deployments.
- ✓ Experience in **Docker** like creating Docker images, containers, Docker files, tagging and publishing to Docker Hub.
- ✓ Writing Dockerfile to create customized docker images
- ✓ Setting up Kubernetes using EKS, KOPS and Kubeadm.
- ✓ Writing manifest files to create **deployments** and **services** for micro service applications.
- ✓ Worked on **orchestration** tool **Kubernetes** to provide a platform for automating deployment, **scaling** and operations of application containers across **clusters** of hosts.

Work Experience:

- ✓ Working as **DevOps Engineer** at **WIZART TECHNOLOGY PRIVATE LIMITED** from **JUNE 2020** to **Till Date**.

Technical/ Functional Summary:

Operating systems	Linux, Windows, Ubuntu, Centos
Version Control Tools	GIT
CI/CD tools	Jenkins, Argo CD
Provisioning tool	Terraform
Configuration Management Tools	Ansible
Containerization Tool	Docker, Kubernetes
Scripting languages	Bash Shell Scripting
Application servers	Apache Tomcat
Web servers	Apache, Nginx
Build Tools	Maven
Cloud Platform	Amazon Web Services(AWS)
Monitoring Tools	CloudWatch, Prometheus, Grafana

Projects Summary:

Project #2:

Project Name : **Breezeline**
Duration : Jan 2023 to till date
Client Name : Breezeline(US)
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 subnets as per requirement and established connectivity to AWS Resources in another VPC in another region using **AWS VPC Peering**.
- ✓ 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 managing artifacts to **Nexus** to share artifacts across projects.

Project #1:

Project Name	:	Precision Medical Products
Duration	:	June 2020 to Dec 2022
Client Name	:	Precision Medical Products(US)
Role	:	DevOps Engineer
Environment	:	AWS, Linux, Git, Jenkins, Ansible, Terraform, Docker, Kubernetes, Bash

Roles & Responsibilities:

- ✓ Configured and managed **Git** plugins in **Jenkins** server.
- ✓ Responsible for configuring the slave nodes in **Jenkins**.
- ✓ Setting up the new build environment for various applications in **Windows/Linux** environment.
- ✓ Using **Maven** as a build tool, I could automate the process of building **artifacts**.
- ✓ Supported and helped to create **dynamic** views and snapshot views for end users.
- ✓ Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for **deployment**.
- ✓ Involved in installing **Jenkins** on a Linux Machine. And creating a **Master** and Slave.
- ✓ Configuration to **implement** multiple parallel builds through a build.
- ✓ Configuring, Troubleshooting and **Monitoring** build jobs in Jenkins.
- ✓ Building various Jobs on servers in different environment like **QA, UAT, Pre-Prod**.
- ✓ Deploying **WAR** and **JAR** Application on targeted managed Servers by using **Jenkins**.
- ✓ Using **Git** as version Control System and **Automating** the Code from **GitHub** to **Jenkins**.
- ✓ Using **Nexus** for Artifact Repository Management and pushing the code from **Jenkins** to Nexus.
- ✓ Responsible for Supporting **24*7** for both Production and Non-Production Environment.

Educational Qualification:

B.Tech[EEE] | **Ashoka institute of Engineering and Technology** From **JNTUH** | **2020**.

Certification Details :

- ✓ Certified Aws Cloud Practitioner

Issued date : 13/03/2024

Expiry date: 12/03/2027

Validation credentials: 2b399302181e41b0a56487dc03444619

Validate at: <https://aws.amazon.com/verification>

DECLARATION:

I, hereby declare that all the details furnished above are true to the best of my knowledge.

(Pavan Guniganti)