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ABOUT ME:

- Overall: 5 Years 3 months of IT experience in DevOps where in different domains such as Banking, E-Commerce, and pharmaceutical industries.

Professional Summary:

- Having 5+ years of experience in IT Infrastructure with 4+ years of experience, Skilled at operating in a wide range of Services in **AWS Cloud & DevOps** Technologies like Git, Jenkins, Ansible, SonarQube, Nexus, Docker, Kubernetes, Terraform, etc.
- Experience with Amazon AWS Cloud Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Security Groups, EKS**
- Extensively Worked on **AWS cloud** such as creating **EC2, S3, EBS, IAM, AMI, Security Group, RDS, auto scaling, EKS, ECS, Cloud Watch, RDS, ELB, Route 53 etc.**
- Extensively Worked on AWS instances via monitoring tool and action the alerts accordingly.
- Implemented, deployed and maintained cloud infrastructure using AWS.
- Creating/Managing AMIs, Snapshots and Volumes Upgrade Downgrade AWS resources (CPU, Memory, EBS)
- Configuring Load balancer and Auto Scaling group. Configuration monitoring for AWS in Cloud Watch. Scale in and out using Auto scale, add and remove instances as needed to handle the growing workload.
- Creating folders in S3 Bucket and uploading images and Files and maintain the buckets and folder permissions.
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Configure the Content Delivery Network (CDN) Cloud Front using S3 Bucket to improve the site performance.
- Have 3+ years of experience on Apache Airflow.
- Provisioned AWS EC2 instances, VPCs, and RDS databases using Terraform scripts
- Managed Linux and Windows virtual servers on AWS EC2 using Ansible Server. Configured and monitored distributed and multi-platform servers using Ansible
- Extensively Worked on AWS instances via monitoring tool and action the alerts accordingly.
- Strong Experience in Amazon EC2 setting up instances, VPCs, and security groups.
- Setting up databases in AWS using RDS and Document DB, storage using S3 buckets, and configuring instance backups to S3 bucket.
- Implemented a CI/CD pipeline involving Git, Jenkins for complete automation from commit to deployment.
- Hands-on experience with configuring continuous integration within a development environment using tools such as Jenkins, Ansible, Git.
- Installed and Configured Open-Source Artifact Repositories.

- Hands-on experience with Docker Containers for application deployment.
- Created CI/CD Pipelines and integrated with Kubernetes, Docker, and Jenkins.
- Experience in Kubernetes, docker container management, and orchestration to host applications and implement CI/CD process for k8s, docker.
- Extensively Worked on Log search tools like Elastic search and Kibana (ELBK)
- Extensively Worked with the docker images for building configuring the pipeline for CI/CD to dockerbuild.
- Doing extensively docker images deployed on Kubernetes cluster Monitor the docker container logs using Kibana.
- Hands-on Experience in Infrastructure Virtualization and app isolation using Docker.
- Sound Knowledge in Dockers Components like Hub, Networking, and Volumes.
- Working on clustering methodologies tools like Kubernetes and Docker Swarm.
- Experience working on several Docker components like Docker Engine, Hub, Machine, creating Docker images, Compose, Docker Registry, and handling multiple images primarily for middleware installations and domain configurations.
- Implemented deployed and maintained cloud infrastructure using AWS.
- Implemented automation using Configuration Management tools like Ansible, Extensively Worked with Docker container infrastructure to encapsulate code into a file system with abstraction and automation.
- Set up and maintained logging and monitoring subsystem using tools Prometheus, Grafana, and ELK
- Proficient in using Terraform with AWS to manage EC2 instances, S3 buckets, IAM roles, and more
- Extensively Worked on monitoring tools Grafana/Prometheus. Monitor Servers, applications, and databases, and on Terraform for creating AWS infrastructure and maintaining the scripts for reusability. Mid-level experience in Bash and Python scripting.

Education Qualification:

- Completed Bsc in 2019 from Lovely Professional University, Phagwara, Punjab

Technical Skills:

- Version Control system : **GIT, GitHub, GitLab**
- Build and CI/CD tools : **Maven, Jenkins**
- Static Code Analysis : **SonarQube**
- Configuration Management: **Ansible**
- Containerization : **Docker, Kubernetes**
- CloudPlatform : **Amazon Web Services**
- Application server : **Apache Tomcat Server, HTTP Server, Nginx**
- Monitoring : **Grafana/Prometheus**
- Log Monitoring : **Kibana**
- IaC : **Terraform**
- Repository Manager : **Nexus**

- Bug Tracking : Jira

Professional Experience:

1. **Loginomic Tech Solutions** : Aug 2019 - Oct 2022
2. **Thakralone Solutions** : Jan 2023 - Jun 2023
3. **Marcellus Infotech** : Jul 2023 - Present

PROJECTS:

1. Marcellus Infotech

QualiTest :

(December 2023 - Present)

Roles and Responsibilities:

- Currently working as a DevOps Engineer with expertise in developing and managing CI/CD pipelines, automating infrastructure, and handling containerized applications. Proficient in tools like Ansible, Jenkins, Docker, and Kubernetes. Actively involved in optimizing and scaling AWS cloud infrastructure, including EC2, VPC, and IAM. Dedicated to improving deployment processes, ensuring high-quality code through SonarQube, and managing build artifacts with Nexus.

Roles:

- **Implemented CI/CD Pipelines:** Developed and maintained robust CI/CD pipelines using Jenkins and Maven, facilitating automated build, test, and deployment processes.
- **Infrastructure Automation:** Automated configuration management and provisioning tasks using Ansible, reducing manual intervention and improving consistency across environments.
- **Containerization:** Managed Docker containerization for application deployment, ensuring seamless integration and scaling across different environments.
- **Kubernetes Orchestration:** Deployed and managed containerized applications using Kubernetes, optimizing resource utilization and enhancing scalability.
- **Cloud Infrastructure Management:** Designed and maintained AWS infrastructure, including EC2 instances, VPC configurations, and IAM roles, to ensure a secure and efficient cloud environment.
- **Code Quality and Security:** Integrated SonarQube into CI/CD pipelines for continuous code quality analysis and vulnerability detection, ensuring high standards of code integrity.
- **Artifact Management:** Utilized Nexus for artifact repository management, ensuring efficient storage and retrieval of build artifacts.

2.Thakralone Solutions

VAT Engine Application(J.P. Morgan & Chase):-

(October 2022 – August 2023)

Morgan is a leader in investment banking, commercial banking, and financial transaction processing and asset management. The most respected financial services firm in the world, serving corporations and individuals in more than 100 countries.

VAT Engine Application – This is one of the applications in JP Morgan on which I worked as a Devops engineer

Roles and Responsibilities:

- Doing the prod deployment on every alternate Friday's through the Jules.
- Working on month end feed files – we will receive the month end feed files from the upstream and we will load them for PO's use either through Control-m or Autosys(JPMC Internal tools)
- Doing the UAT deployment in collaboration with Dev Team.
- Ordering the daily jobs manually in control-m and make sure to run them successfully for that particular day without any error's in data.
- Creating the change request (CR's) for every prod deployment and taking the required approvals from the team.
- Creation of new CICD pipelines for any new service moved to AWS.
- It is the existing application in the firm so i worked on Jenkins CICD pipelines and doing minor changes as per the requirement in the Pipelines.

3.Loginomic Tech Solutions:

PricewaterhouseCoopers :

(February 2021 – August 2022)

Eli Lilly is an American pharmaceutical company.

Description:

DAR Infrastructure is our cloud-based project consisting of 5 microservices: Infra, Consumer, Client, Common-Utils, and Airflow. Each application performs different operations, with the project primarily managing patent data in a database. It retrieves details of particular patents that match specified criteria.

Roles:

- As a DevOps Engineer, my role involves introducing methodologies to balance needs throughout the software development life cycle. This includes processes and tools from coding to development to maintenance and updates. I monitor system health and track all activities occurring in every part of the system during the software lifecycle.
- Additionally, I investigate and resolve technical issues, provide level 2 technical support, perform root cause analysis for production errors, build tools to improve customer experience, and develop software to integrate with internal back-end systems.

Description:

I began my career as a Devops engineer and initially they trained me for few months along with the work parallelly and worked on tools are CI-CD, Jenkins, Maven, Sonarqube integration, Ansible, Docker along with some services on AWS as well.

- Installed and administered various tools like Jenkins, Gitlab, Docker, Ansible, Artifactory and executed maintenance tasks such as creating users and groups.
- We've established an efficient CI/CD pipeline for our Spring Boot application using Github. This pipeline automates the deployment process, ensuring seamless integration and continuous delivery.
- Initially, we configured GitHub runners. These runners are essential as they enable us to execute the application on our dedicated server, ensuring a controlled and predictable deployment environment.
- As a performance optimization, we've implemented caching within our GitLab CI/CD pipeline. Specifically, we're storing cached dependencies in the `$CI_PROJECT_DIR/.m2/repository` directory. This cache significantly reduces pipeline run times by retaining dependencies after the initial build, ensuring faster subsequent builds.
- Helped the project in creating the company's DevOps strategy in a mixed environment of Linux servers along with creating and implementing a cloud strategy based on Amazon Web Services.
- Documented the entire installation process for various tools and provided on-call support.
- Implemented a CI/CD pipeline involving Git, Jenkins, Ansible, and Docker to complete the automation from commit to Deployment.
- Responsible for design and maintenance of the GIT Repositories and performed all necessary day-to-day GIT support for different projects.
- Used MAVEN a build tool on Java projects for the development of build artifacts on the source code and build Projects using Maven.
- Hands-on with Ansible to deploy automated tasks to many servers at once.
- Created and Implemented branching & merging strategy with multiple branches.
- Involved in periodic archiving and storage of the source code for disaster recovery.
- Integrated GIT into Jenkins to automate the code check-out process.
- Experience in writing Shell and Groovy scripting for automating tasks in Jenkins.
- Extensively Worked AWS Elastic Beanstalk for fast deploying of various applications
- Co-ordinated with developer team overwrite/modify Ansible Playbooks for automation using Ansible.
- Creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Configured security group for EC2
- Created S3 backups using versioning enable and moved objects to amazon glacier for archiving purposes.
- Involved in building security model, VPC, Elastic IP for databases on Cloud platform.
- Automated the build and release management process including monitoring changes between releases.

- Hands-on experience with JIRA for creating bug tickets, workflows, pulling reports from the dashboard, creating and planning sprints.
- Extensively Worked with globally distributed agile teams and delivering security software to reduce risk throughout the software lifecycle.
- Created CI/CD Pipelines and integrated with Kubernetes, Docker, and Jenkins.
- Experience in Kubernetes, docker container management, and orchestration to host applications and implement CI/CD process for k8s, docker.
- Extensively Worked Log search tools like Elastic search and Kibana (EFK)
- Extensively Worked with the docker images for building configuring the pipeline for CI/CD to docker build.
- Doing extensively docker images deployed on Kubernetes cluster Monitor the docker container logs using Kibana.
- Hands-on Experience in Infrastructure Virtualization and app isolation using Docker.
- Set up and maintained logging and monitoring subsystem using tools Prometheus, Grafana, and ELK.
- Extensively Worked with configuration management tool Ansible for orchestration and monitoring of various servers across various environments. Involved in the implementation of Ansible on in-house and public cloud setups.
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, and Stack monitoring using Ansible playbooks and integrated Ansible with Jenkins.
- Extensively Worked with configuration management tool Ansible for orchestration and monitoring of various servers across various environments. Involved in the implementation of Ansible on in-house and public cloud setups.
- Sound Knowledge in Docker's Components like Hub, Networking, and Volumes.
- Working on clustering methodologies tools like Kubernetes and Docker Swarm