TEK010962 (DevOps - 6 + Year)

📖 Bachelor of Engineering

Highlights

- Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.
- Seeking to utilize automation and troubleshooting know-how to maintain and improve cloud infrastructure and processes
- Having Experience in AWS and DevOps Engineer with Design, Development, having strong knowledge in planning, designing, requirement gathering, implementation, and troubleshooting of Application Architecture.
- Designing and implementing of public and private facing websites on AWS.
- Knowledge in writing and modifying Terraform TF files in GO and building the AWS services Infrastructure as a Code.
- Hands-on Experience on GitHub, Git.
- Experienced with installation and configuration of AWS CLI to control AWS services from the local machine
- Knowledge of databases like RDS MySQL.
- Hands-on experience in Build release management, setting up CI/CD pipeline, managing various tools required in the software lifecycle, and Linux system administrator.
- Good experience on Amazon Webservices (AWS), Creating EC2 Instances and configuring all necessary services end to end.
- Manage and configure AWS services as per the requirement.
- Monitoring AWS resources & setting up notification alarms in case of trouble through Cloud Watch.
- Experienced in working on DevOps operations process and tools area (Code review, Build & Release automation and Deployment)
- Hands-on experience on creating Branching strategies.
- Good experience on Ansible Installing and configuring Ansible and Ansible hosts for automation deployment.
- Hands on experience in Jenkins for continuous integration and for End to End automation for all build and deployments.
- Knowledge in Docker Container on container level.
- Kubernetes cluster creation

Skills

Primary Skills

- AWS
- CI/CD
- Kubernetes

Secondary Skills

- MySQL
- Docker
- Shell Scripting

Other Skills

- **Ticketing Tool :** Servicenow
- **Agile/project management :** jira
- **Alerting Tool :** PagerDuty
- **Languages Known :** Shell, Python
- **IaaS :** AWS Cloud (EC2, S3, LB, ASG, VPC, RDS, Route53,)
- **IaC :** Terraform, Ansible
- **Kubernetes :** service
- **Containerization Tool :** Docker
- **Versioning Tool :** GIT
- **Monitoring Tool :** Splunk, Prometheus &Grafana
- **Operating Systems :** Windows/Linux

Projects

Project - 1 - IT Industry

Role and Responsibilities :

- Implementation and documentation of best practices; assessment of new tools and technologies.
- Experienced in configuring and managing cloud infrastructure platforms utilizing AWS, launching Amazon EC2 instances and setting up security groups, and configuring ELB with EC2 Auto Scaling groups.
- Performed configuration, deployment, and support of cloud services including Amazon Web Services and Automating infrastructure in AWS and Configuring EC2, S3, VPC, ELB, Autoscaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS.
- Utilize CloudWatch to monitor resources such as EC2, CPU memory, and EBS volumes.
- Worked in GitLab/Git to manage source code.
- Worked on Creating GIT Branches and creating a Pull request for approval.
- Responsible for taking the source code and compiling using Maven and packaging it in its distributable format, such as a JAR/WAR/EAR file.
- Created topics in SNS to send notifications to subscribers as per the requirement.
- Configured AWS CLI and performed necessary actions on the AWS services using shell scripting.
- Configured AWS Identity Access Management (IAM) Group and users for improved login authentication.
- Knowledge and experimenting to automate the infrastructure using Terraform.
- Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
- Managed build results in Jenkins and deployed using workflows.

KUBERNETES :

- Cluster creation with KOPS installation method
- Maintain the container and pods configuration
- Master & worker node concept
- Name space creation, kubernetes service creation-cluster ip,node port,load balancer,
- Deployment method –Replicaset,Deamonset,Deployment,
- Deployment strategy –Recreate ,Rolling update,Blue-green

Project - 2 - IT Industry

Role and Responsibilities :

- Experienced in configuring and managing cloud infrastructure platforms utilizing AWS, launching Amazon EC2 instances and setting up security groups, and configuring ELB with EC2 Auto Scaling groups.
- Performed configuration, deployment, and support of cloud services including Amazon Web Services and Automating infrastructure in AWS and Configuring EC2, S3, VPC, ELB, Autoscaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS.
- Utilize CloudWatch to monitor resources such as EC2, CPU memory, and EBS volumes
- Implementation and documentation of best practices; assessment of new tools and technologies.
- Automated continuous integration and deployments using Jenkins.
- Create CI-CD Pipeline from scratch using Declarative script.
- Installed Salt Stack on a Linux machine and created a master and minion configuration to implement multiple parallels builds through a build farm.
- Set up and built AWS infrastructure by writing or modifying cloud formation templates in JSON and YAML.
- With the help of IAM created roles, users, and groups and attached policies to provide minimum access to the resources.
- Experienced in using Splunk for Log monitoring purposes.
- Configured S3 to host Static Web conten
- Created monitors, alarms and notifications for EC2 hosts using Cloud Watch

Project - 3

Role : Production Support

Responsibilities :

- Provided Production support for Linux based application.
- Guiding the Team for any complex related issues.
- Resolved production issues by modifying backend queries as and when required.
- Strong Knowledge of SDLC methodologies such as the Waterfall model, Scrum, and a slight overview of Agile.
- Expertise in business requirements analysis, requirement gathering, and developing business requirement documents and Functional Requirement Specifications.
- Expertise in preparing test cases, identifying test scenarios, system-specific testing.
- Regression testing, and maintaining requirement traceability matrix