ANUSUYA M

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CAREER OBJECTIVE

To secure an entry-level Cloud / DevOps role where I can apply my hands-on experience in AWS, Azure, Linux, networking, and automation tools to support, deploy, and manage scalable and secure cloud infrastructure, while continuously learning and contributing to organizational growth.

TECHNICAL SKILLS

DevOps:

Git & GitHub for version control and branching strategies, CI/CD pipelines using Jenkins integrated with Git ,Maven and run java based application in tomcat, Docker containerization with Docker and basic Kubernetes orchestration, deployments, pods and service management, Infrastructure as Code (IaC) using Terraform to provision and management of infrastructure and automation using Ansible, automated build, testing, and deployment workflows for cloud environments.

Cloud:

AWS (EC2, VPC, VPC peering, S3, Static website hosting in S3, EBS, EFS, Snapshot, Elastic Load Balancer, Auto Scaling, IAM, CloudWatch, CloudTrail, Amazon RDS, Route 53,Cloud Front), Microsoft Azure (VMs, VNets, Storage, Load Balancers, NSGs, VPN Gateways, Azure AD, RBAC, Azure Monitor).

Terraform:

Provisioned and managed AWS IAM resources, Built and deployed S3-hosted static websites, Applied security best practices, Collaborated using Git-based version control, Utilized Terraform Cloud for remote execution and collaboration

Networking:

Network components(Routers, Switch, Bridge, Hub, Firewall, Access point, NIC) ServersOSI Model, TCP/IP, UDP, Subnetting, VLSM, Routing (RIP, OSPF, EIGRP), Layer 2 discovery protocols (Cisco Discovery Protocol and LLDP),VLANs, Trunking , STP, EtherChannel, ACLs, NAT, DHCP, IP Addressing, SSH/Telnet, Troubleshooting (Ping, Traceroute, Debug, Show Commands)

Linux Administration:

User/Group Management, File System Management, Services (Apache, Samba, DHCP), Creating and managing Files and folders using command-line tools, Scheduling Future Tasks, Monitoring Disk/CPU/Memory usage, ping, Security (ACLs, Permissions, Firewall).

Programming/**Automation**: Python (Basic Scripting, Automation).

PROJECT EXPERIENCE

AWS 3-Tier Architecture Deployment

Designed and deployed a highly available 3-tier architecture using EC2, RDS, ALB, and Auto ScalingConfigured VPC with public and private subnets across multiple Availability Zones

Implemented IAM roles and security groups following least privilege principle

Enabled monitoring and logging using CloudWatch

Automated Cloud-Native CI/CD Pipeline

Building an automated CI/CD pipeline to deploy cloud-native applications in a consistent and reliable manner. Source code was managed using GitHub, and Jenkins was used to automate build and deployment processes. Docker was used to containerize the application, and Kubernetes handled deployment and scalability on AWS infrastructure.

Jenkins-Based CI/CD Pipeline for Java Web Application

Implementing an automated CI/CD pipeline for a Java-based web application using Jenkins. The pipeline triggers automatically when code is pushed to GitHub, builds and tests the application using Maven and Selenium, and deploys the application to an Apache Tomcat server.

Hosting a Static Website on AWS S3 with Terraform

Used of Infrastructure as Code to host a basic website using Terraform and Amazon Web Services (AWS) S3 to show how to automatically create and deploy a website without much hassle.

Terraform — Deploy Dockerized App on AWS ECS with Load Balancer

Deployed a Dockerised app on Amazon ECS. Amazon ECS is the AWS service to run Docker applications on a scalable cluster. It is a container orchestration/ management service similar to Kubernetes

INTERNSHIP EXPERIENCE

Cloud Computing – Training certification & 8 months of internship in Besant Technologies, Bangalore

Worked on real-time deployment and management of AWS and Azure infrastructure.

Gained hands-on experience in cloud networking, and security

Assisted in monitoring, troubleshooting, and cost optimization activities

EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering

University College of Engineering, Ariyalur (Trichy) | 2013