

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

Amazon Web Services (AWS)

- Deploying and managing **EC2 instances**, configuring **VPCs**, subnets, route tables, gateways, peering, and security groups.
- Managing **storage solutions**: S3, EBS, EFS, Glacier, snapshots, lifecycle policies, and object versioning.
- Deploying **static websites** using S3 and CloudFront.
- Implementing **load balancing**, **auto-scaling**, and high-availability architecture using ALB and Route53.
- Configuring **IAM roles, users, and policies**, and managing **CloudWatch**, **SNS**, and **CloudTrail**.
- Built a **3-tier AWS architecture** using EC2, RDS, ALB, and Auto Scaling across multiple availability zones.

DevOps Skills

- Strong understanding of **DevOps principles**, **CI/CD pipelines**, and software delivery automation.
- Hands-on experience with **Git** for version control, branching, merging, and repository management.
- Proficient in **Jenkins** for continuous integration, pipeline creation, job automation, and plugin management.
- Familiar with **Maven** for project build lifecycle and dependency management.
- Host and run java based application in **tomcat**
- Experience with **Ansible** for configuration management, playbook automation, and role-based deployments.
- Skilled in **Docker** for containerization — building images, managing containers, and working with Docker Compose and Swarm.
- Knowledge of **Kubernetes** for container orchestration, deployments, pods, and services management.
- Exposure to **AWS Cloud** services for hosting, automation, and scalable DevOps infrastructure.
- Adept at **automating deployment workflows**, improving release reliability, and ensuring operational efficiency.

Terraform

- Hands-on experience with **Terraform for Infrastructure as Code**
- Provisioned and managed **AWS IAM resources** using Terraform
- Built and deployed **S3-hosted static websites** via Terraform
- Implemented **remote backends, state locking, and workspaces**
- Applied **security best practices** in Terraform configurations
- Collaborated using **Git-based version control**
- Utilized **Terraform Cloud** for remote execution and collaboration

Microsoft Azure

- Proficient in **Cloud Computing (IaaS, PaaS, SaaS)** and **Virtualization concepts**
 - Deploying, managing, and monitoring **Azure Virtual Machines** (Windows & Linux).
 - Configuring **Virtual Networks, Load Balancers, NSGs, and VNet Peering**.
 - Implementing **Azure Resource Management**, diagnostics, metrics, and cost optimization.
 - Managing **Azure AD, RBAC, and Multi-Factor Authentication** for secure access control.
 - Creating and maintaining **Azure Storage Accounts**, Access Keys, and Shared Access Signatures (SAS).
- Managing **DNS services, subscription policies**, and tagging for resource governance.

Linux Administration

- User & Group administration on Ubuntu
- Creating and managing the file systems
- Monitoring Disk/CPU/Memory usage, ping,
- Scheduling Future Tasks
- Creating and managing Files and folders using command-line tools.
- Configuring and managing Firewall, SSH, Samba, DHCP

Networking (CCNA Fundamentals)

- knowledge of role and function of network components: -Routers, switch, Firewall, Access points, Servers
- difference between TCP and UDP
- Configure and verify IPv4 addressing and subnetting.
- Configure and verifying Layer 2 discovery protocols (Cisco Discovery Protocol and LLDP)
- Configuring and verifying DHCP server and client
- Configuring network devices for remote access using SSH and telnet

Programming: Python

PROJECT EXPERIENCE

AWS 3-Tier Architecture Deployment

Designed and deployed a highly available 3-tier architecture using EC2, RDS, ALB, and Auto Scaling
Configured 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

Static Website Hosting on AWS

Hosted a static website using Amazon S3 and CloudFront
Implemented versioning, lifecycle policies, and access control
Used Route 53 for DNS configuration

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

Infrastructure Automation with Terraform

Provisioned AWS IAM resources and S3 buckets using Terraform
Implemented remote backend, state locking, and workspaces
Applied security best practices and Git-based collaboration

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.

INTERNSHIP EXPERIENCE

Cloud Computing Intern – 8 months in Besant Technologies, Bangalore

Worked on real-time deployment and management of AWS and Azure infrastructure
Gained hands-on experience in virtualization, 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