

ALIGAR VEERESH

AWS | Azure • AmazonS3 • Python • Linux

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer and Team Lead with 2 years of experience in AWS, Linux, CI/CD, and cloud infrastructure. Skilled in automation, deployment, system administration, and infrastructure management, with a strong focus on building scalable, reliable, and secure cloud solutions.

CORE SKILLS & TECHNOLOGIES

Cloud Platforms	AWS, Microsoft Azure
Operating Systems	Linux (Ubuntu)
Version Control	Git, GitHub,
Containerization	Docker
Infrastructure as code	Terraform
Scripting	Bash, Python
Networking	TCP/IP, DNS, HTTP/HTTPS, VPC, Load Balancer, Security Groups

PROFESSIONAL EXPERIENCE

Software Engineer – Team Lead

NeuralGarage|2024 –Present

- Familiar with Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS,VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto Scaling, Cloud Watch, CloudTrail, Security Groups.
- Installing and configuring applications on AWS EC2Instances.
- Creating Elastic IP attaching and detaching to servers as per client request.
- Excelled on creating AMI (Amazon Machine Images) that utilizes ELB and Auto Scaling.
- Providing assistance on setting the AWS environment and also providing support
- On adding ports to security groups and NACLs to VPC. Strong Experience in Amazon EC2 setting up instances, VPCs, and security groups.
- Setting up data bases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3bucket.
- Used AWS CLI to automate backups of S3 buckets.
- Setting up/Managing Database on Amazon RDS. Monitoring servers through Amazon Cloud watch, SNS.
- Creating/Managing AMIs, Snapshots and Volumes Upgrade Downgrade AWS resources(CPU, Memory, EBS)
- Creating IAM Users and Groups and maintaining the users Access management and Permissions.
- Launching static website using EC2 instance or ELB and S3 Bucket.
- Applying Auto Scaling between ELB and EC2 instances for high availability of applications.
- Implemented Domain Name Service DNS through Route 53 to have highly available and scalable applications.
- Maintained the monitoring and alert in production and corporate servers using cloud watch service.
- Configure and maintaining the Users and Group policies and permissions in IAM. Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIS, Auto Scaling to design cost effective, fault tolerant and highly available systems.
- Experience in administering Linux. Experience installation, Configuration, Backup, Recovery, Maintenance, and Support.
- Worked with multi branch deployment using multiple deployment strategies.
- Creating Playbooks for provisioning VM for Dev and Prod.

KEYPROJECTS & ACHIEVEMENTS

WAR-2–AI-Powered VisualDubbing & Lip-Sync System (NeuralGarage) Bollywood

movie visual-dubbed using VisualDub AI

WAR-2 is a Bollywood movie that was visual-dubbed and lip-synced using NeuralGarage's VisualDub AI platform. The system replaces spoken dialogue with translated audio and generates realistic lip movements on the actor's face so the dubbed language matches mouth motion, emotion, and timing. The pipe line was built using Python, PyTorch, NumPy, and Conda, enabling frame-accurate synchronization between speech and facial movements.

My Contributions as a Software Engineer

- Designed and implemented Python-based processing pipelines to handle video frames, audio signals, and model inputs used in the visual dubbing workflow.
- Worked on machine learning model integration using PyTorch to generate lip movement predictions from audio features and align them with facial landmarks in each video frame.
- Used NumPy for high-performance numerical operations such as:
 - Frame-level feature vectors
 - Audio-to-video alignment matrices
 - Lip-movement coordinate transformations
 - Built and optimized data pre-processing pipelines to:
 - Extract audio features (phonemes, timing, intensity)
 - Convert video into frame sequences
 - Prepare inputs for deep learning inference
 - Collaborated with ML and product teams to:
 - Test VisualDub outputs on WAR-2
 - Validate sync accuracy

CLOUD & DEVOPS — ACTIVE UPSKILLING

- Linux: User management, file permissions, process management, networking, shell scripting.
- Docker: Image creation, containerization, Docker Compose, Docker Hub.
- Jenkins: CI/CD pipeline creation, automated build and deployment.
- Terraform: Infrastructure as Code (IaC), provisioning AWS resources.
- Kubernetes: Pods, Deployments, Services, Config Maps, Secrets, basic cluster management.
- Git & GitHub: Version control, branching, pull requests, merge conflict resolution.
- Monitoring & Automation: Shell scripting, log analysis, deployment automation, troubleshooting.

EDUCATION

Bachelor of Engineering–Civil Engineering

Bearys Institute of Technology | 2015 – 2019

CERTIFICATIONS&PROFESSIONALDEVELOPMENT

- Microsoft Certified: Azure Fundamentals(AZ-900)
- AWS Cloud Architect: MicroDegree