

# Resume

**Murali Krishna Alakuntla**  
**DevOps Engineer**

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## Objective:

Results-driven DevOps Engineer with over one year of experience in cloud implementation, Build and Release management, and CI/CD pipeline orchestration using AWS and Azure services. Committed to automating processes, reducing manual intervention, and ensuring the efficient and reliable delivery of software projects.

## Professional Experience:

DevOps Engineer | Digital Lync Technologies

- ❖ Experience in infrastructure development and operations by involving in designing and deploying using AWS services like AWS EC2 Instance, AUTO SCALING, ELB, EBS, AMI, IAM, S3, S3 bucket hosting, Route 53, VPC, VPC peering, VPC endpoints, cloud formation templates, SNS and Cloud Watch for monitoring & alerting, Code Pipeline, (EC2, EBS and S3 ) migration.
- ❖ Experience in infrastructure development and operations by involving in designing and deploying using Azure services like Microsoft Entra ID, VMs, Virtual Network, Subnets, Databases, Azure App Services, ACR.
- ❖ Leveraged Azure Boards, Azure Repos and Azure Pipelines for application development and deployment.
- ❖ Proficient in Docker, including optimizing performance through Docker volumes, crafting efficient Docker files, and configuring Docker networks.
- ❖ Skilled in Kubernetes, with expertise in crafting deployment files, setting up various service files (e.g., Cluster IP, Node Port, load balancer) for high availability.
- ❖ Implemented taints and tolerations for resource isolation, utilizing node readiness and node selector strategies, and effectively managing pod resources through requests and limits.
- ❖ Utilized Terraform for provisioning and managing cloud resources, including importing existing S3 buckets and creating VPCs.
- ❖ Leveraged Terraform to design and deploy highly available Kubernetes clusters.
- ❖ Created and managed diverse pipelines for build, release, and deployment processes using Jenkins.
- ❖ Integrated tools and stages such as SonarQube analysis, Nexus artifact repository, and approval workflows into Jenkins pipelines.
- ❖ Proficient in Ansible automation for server configuration and management.

- ❖ Created inventory files, ansible roles and authored playbooks to automate setup and maintenance.
- ❖ Utilized Python and Bash scripting for automation.
- ❖ Actively monitored app performance with CloudWatch, Prometheus and Grafana.
- ❖ Used Maven and npm as build tools.
- ❖ Hosted web applications in Tomcat, Apache HTTP Server, and Nginx for reliable and scalable web delivery.
- ❖ Configured Nginx as a load balancer and reverse proxy, optimizing traffic distribution and enhancing security.
- ❖ Experience in Maintenance of Source Control Management Systems such as GIT . Created tags, branches, merging and administered software repository.
- ❖ Skilled with Linux Utilities: SSH, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and Swap Partition/Files Management.
- ❖ Experience with all phases of software development life cycle (SDLC) and agile development methodology.
- ❖ Effective Interpersonal skills to coordinate and participate in a team environment and achieve organizational goals.

### **Technical Skills:**

- ❖ **Cloud Platforms:** AWS, Azure
- ❖ **CI/CD Tools:** Jenkins, AWS CodePipeline, Azure Pipeline
- ❖ **Containerization and Orchestration:** Docker, Kubernetes
- ❖ **Infrastructure as Code (IaC):** Terraform, Ansible
- ❖ **Version Control:** Git, GitHub, Bitbucket, Azure Repos
- ❖ **Scripting:** Python, Bash
- ❖ **Monitoring and Logging:** CloudWatch, Prometheus, Grafana
- ❖ **Issue Tracking:** Jira, Azure Boards

### **Education:**

- ❖ **Bachelors of Technology in Electronics & Communication Engineering**

Jawaharlal Nehru Technological University (JNTU) Hyderabad

### **Projects:**

#### **1. Learning Management System (LMS) | Digital Lync Technologies**

**Environment:** Jenkins, Docker, Kubernetes, Terraform, Linux (Ubuntu), AWS Cloud, Git & GitHub, PostgreSQL, Node (NPM), Prometheus, Grafana

- Deployed application on AWS infrastructure, including EC2, VPC, PostgreSQL.
- Configured Docker containers for efficient application deployment.
- Implemented CI/CD pipelines with Jenkins.
- Managed infrastructure deployments with Terraform.

- Orchestrated Kubernetes clusters for scalability.
- Monitored application performance with Prometheus and Grafana.

## **2. Chat Application | Digital Lync Technologies**

**Environment:** Azure App Services, Azure Pipeline, Azure Repos, ACR, Docker, Azure Cloud, PostgreSQL, Node.

- Built and deployed cloud-native applications using Azure services.
- Efficiently managed code repositories on GitHub and Azure Repos.
- Streamlined deployment process with Docker containers and Azure Container Registry (ACR).
- Automated software delivery through Azure pipelines.
- Integrated PostgreSQL with the backend for data processing.

### **Declaration:**

I, Murali Krishna, confirm that the above furnished details are true and correct to the best of my knowledge. Thank you for considering my application. I look forward to discussing how I can contribute to your team.

Date:

Place: Hyderabad

(A. Murali Krishna)