

# Dhana Lakshmi Nemala

DevOps Engineer

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## Profile

Highly skilled and results-driven DevOps Engineer with over 5 years of experience in architecting and automating CI/CD pipelines, infrastructure, and deployments. Proficient in cloud technologies (AWS, Azure), configuration management (Ansible, Chef), and containerization (Docker, Kubernetes), ensuring scalable and resilient systems. Adept at monitoring and optimizing system performance, implementing security measures, and ensuring compliance. A collaborative and proactive team player with a strong focus on continuous integration and delivery, driving efficiency and reducing time-to-market.

## Skills

### Scripting Language:

Python, Bash/Shell scripting

### Framework & Tools:

Puppet, Terraform, Github, Jenkins, GitLab CI/CD, Travis CI, CircleCI, AWS Cloud Formation, Azure, DevOps, SaltStack, Vagrant

### Application Servers and Tools:

Apache Tomcat, SonarQube

### Others:

Amazon Web Services (AWS), Microsoft Azure, JIRA, Linux, Ansible, Nagios, Maven, Docker, Kubernetes, Docker Swarm, Nexus, ELK, Grafana, Prometheus

## Professional Experience

### DevOps Engineer, Informatica

2023 Jan – present | Remote, USA

- Developed and managed Azure Infrastructure hosting plans, deployed workloads on Azure Virtual Machines (VMs), and designed VM storage, demonstrating proficiency in implementing images/disks.
- Configured Azure's internal load balancer, load balanced sets, and Azure Traffic manager, demonstrating expertise in TCP/IP networking concepts including DNS, and DHCP.
- Leveraged Azure VPN-Point to Site, Virtual networks, Azure Custom security, Endpoint security, and firewall for secure network configuration and management.
- Effectively mapped workloads to Azure capabilities for public, private, and hybrid clouds; implemented high availability with Azure Classic and Azure Resource Manager deployment models.
- Managed greenfield project implementations using Docker and Azure Kubernetes Service (AKS) for secure networking and CI/CD pipelines.
- Utilized Terraform for managing Kubernetes resources and created infrastructure components such as Web app, Function App, VNet's, DNS Settings, Routing, Security Policies, Load Balancer, App Gateway, and Application Insights.
- Managed Azure AD tenants, users, and groups, integrated on-premises Windows AD with Azure AD, and configured multi-factor authentication (MFA) and federated single sign-on (SSO).
- Collaborated and securely shared company information with other organizations by creating Guest Users through Function API Management and Azure AD B2B API's.
- Managed Private Cloud and Hybrid cloud configurations and practices in Windows Azure, SQL Azure, Azure Web, and Database deployments.
- Set up Jenkins server for continuous automated builds based on polling the GIT SCM, supporting development with periodically scheduled builds.

### DevOps Engineer, Wipro

2017 Jul – 2021 Dec | Hyderabad, India

- Leveraged Amazon AWS (Public) Cloud to provide IaaS support to clients, including the creation of EC2 Instances through PowerShell Script and AWS Portal.
- Executed Storage Pool creation and disk stripping for Amazon EC2 Machines, and performed backup, configuration, and restoration of EC2 Machines using Amazon Backup.
- Deployed and configured AWS WAF to manage traffic to applications.
- Developed and maintained continuous Integration & Continuous Deployment (CI/CD) pipelines using AWS DevOps tools across multiple environments, enabling safe code deployment in Amazon Elastic Kubernetes Service (EKS) using YAML scripts.
- Gained hands-on experience in Amazon Development, working on Amazon EKS, Elastic Beanstalk, Amazon S3, AWS DMS, EC2 Instance, and AWS Identity and Access Management.
- Integrated Ansible with Jenkins for Automation, Continuous Integration & Continuous Deployment (CI/CD), and implemented Jenkins workflows and plugins for repeatable deployments of applications, artifacts, and services to Docker.
- Utilized Amazon Kubernetes Service for deploying managed Kubernetes clusters in AWS, and used Resource Manager Templates and Terraform for template-driven deployment.
- Deployed AWS Paas services such as Storage Account, App Insights, Databricks, APIM, Event Hub, Logic app, AWS Lambda Function, Redshift, and Amazon EventBridge.

## Education

### Masters in Information Systems, Auburn University at Montgomery

2022 Jan – 2022 Dec | Alabama, USA

### Bachelors in Computer Science, Acharya Nagarjuna University

2006 Jun – 2009 May | Guntur, India

## Certificates

- Microsoft Certified: Azure Administrator Associate 
- Microsoft Certified: DevOps Engineer Expert 