

# Dayyala Anusha

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## Professional Summary

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Result-oriented professional with 3+ years of experience in optimizing cloud infrastructure and automating deployment processes. Proven success in enhancing scalability, improving system security by 35%, and streamlining operations for Linux-based environments. Proficient in managing CI/CD pipelines, container orchestration with Kubernetes, and infrastructure provisioning using Terraform and AWS.

## Experience

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- Experienced with Agile development methodologies, including Scrum and Kanban.
- Proficient in Source Control Management (Git) with a focus on branching strategies, merging, tagging, and integration with the development team.
- Hands-on experience setting up CI/CD pipeline configurations for Java and Spring Boot applications.
- Familiar with JIRA (Confluence and Atlassian) for project management.
- Proficient in Docker and creating Docker files.
- Involved in setting up build and release pipelines.
- Provisioned infrastructure on AWS using Terraform.
- Managed configuration with Ansible galaxy roles.
- Experienced in Linux administration, including user/group management, file systems, and network-related issues
- Set up CI/CD automation for onboarding new applications.
- Experience in Jenkins shared libraries, declarative scripting, and tools integration.
- Developed Jenkins files and created automation jobs in Jenkins based on requirements.
- Experience with automation using Bash and Python.
- Expertise in AWS services such as EC2, S3, EBS, EFS, IAM roles and policies, VPC, AWS WAF, auto-scaling, Load Balancers (ALB and NLB), Route 53, CloudWatch, and Lambda.
- Deployed applications on AWS EKS using Helm charts.

## Skills

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- Operating Systems: **Linux, Windows**
- Configuration Management: **Ansible**
- Build Tools: **Maven, NPM, pip**
- Continuous Integration: **Jenkins CI CD**
- Iaac: **Terraform**
- Artifactory: **Nexus**
- Version Control Tools: **Git (GitHub)**
- Languages/Scripts: **Shell, Yaml**
- Cloud Platform: **AWS**

- AWS Services: EC2, S3, IAM, EBS, VPC, Subnets, Auto scaling, Cloud Formation, Security Groups, Cloud Watch, SNS, EKS
- Containerization: **Docker**
- Container Orchestration: **Kubernetes**
- Monitoring Tools: **Prometheus, Grafana** Code Analysis: **SonarQube**

## Projects

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Project Name: HP Embedded Webservices (EWS), HP MFP/SFP

Dec-2021 – Present

Client: HP (Hewlett Packard)

- Designed and implemented AWS infrastructure solutions for various projects, ensuring high availability, improved scalability, and enhanced security compliance.
- Optimized Linux-based systems operations by deploying automation scripts for Red Hat Enterprise Linux (RHEL).
- CentOS, and AWS Linux, reducing the need for manual interventions.
- Created shell scripts to automate routine tasks, significantly improving operational efficiency and consistency.
- Developed and executed deployment strategies for multi-container applications using Kubernetes and Helm,
- streamlining configuration management and enabling the team to handle increased deployment requests effectively.
- Designed YAML-based deployment processes to establish consistent and repeatable multi-tier application environments.
- Enhanced infrastructure provisioning processes with Terraform, improving deployment speed and reliability.
- Automated system and application deployments using Ansible playbooks, ensuring seamless and error-free operations.
- Built and implemented CI/CD pipelines with Jenkins, streamlining code deployments and improving delivery efficiency.
- Established CI/CD workflow best practices by collaborating with cross-functional teams, leading to increased system reliability and performance.
- Architected a multi-environment application strategy using Docker containers, enabling seamless deployment across both cloud and local environments and supporting adoption by multiple development teams.
- Developed deployment pipelines with Jenkins and GitHub for microservices-based applications, reducing deployment errors and enhancing reliability.
- Designed a robust monitoring framework with Prometheus and Grafana, creating customized dashboards for real time analytics and improving incident response efficiency.
- Managed repository workflows in GitHub, automating review processes to support seamless collaboration.
- Created threshold-based alerts integrated with monitoring tools to proactively identify and resolve system issues.

- Resolved complex cloud infrastructure challenges, enhancing system availability and operational stability.

## Certification

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- Aws certified solutions Associate Software Engineer-2023-2026
- Validation Number-FX0V3CR142RE1Z9H

## Education

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Bachelor of Technology: Electrical and Electronics Engineering	2018 - 2021
Chadalawada Ramanamma Engineering College – Tirupati (JNTU – Anantapur)	CGPA -8.95