Epuri Masthan

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Career Objective:

Motivated and detail-oriented **DevOps Engineer** with 3.5+ years of experience in automation, cloud infrastructure, and CI/CD pipelines. Seeking to contribute technical expertise in AWS, Azure, and DevOps toolchains to enhance deployment efficiency and operational reliability

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Professional Summary

- 3.5+ years of experience in **DevOps, Cloud Infrastructure Management, and CI/CD Automation** across AWS and Azure.

- Expertise in **Build & Release Management, Configuration Management**, and **Continuous Deployment pipelines** using Jenkins, Ansible, and Docker.

- Skilled in **AWS (EC2, S3, IAM, VPC, ELB, Auto Scaling)** and **Azure (VMs, Storage Accounts, Resource Groups)** for scalable cloud deployments.

- Designed and implemented **end-to-end CI/CD pipelines** in **Jenkins**, integrating **Maven**, **SonarQube**, **Nexus**, **OWASP Dependency Check**, and **Trivy** for code quality, security scanning, and artifact management.

- Hands-on with **Docker** for containerization and **Kubernetes** for orchestration of multi-environment workloads.

- Deployed and managed applications on **Apache Tomcat** and **Nginx** web servers across QA, UAT, and Production environments.

- Proficient in **Python scripting** for automation, monitoring, and data migration; migrated **1.5 TB** of data from on-prem to cloud storage.

- Used **Prometheus and Grafana** for performance monitoring and alerting across production systems.

- Supported **sales enablement activities** at Wissen by assisting client discussions and preparing **AWS solution demos** for potential projects.

- Conducted **team presentations and knowledge sessions** on AWS resource creation, capacity management, and cost optimization.

- Built and tested a **Django-based web application** locally to explore application development, deployment workflows, and automation concepts.

- Passionate about exploring **emerging DevOps tools**, **cloud automation frameworks**, and **infrastructure management solutions** to enhance scalability and efficiency.

DevOps & CI/CD	Jenkins, Git, Maven, Ansible, Nexus, Groovy
Cloud Platforms	AWS (EC2, S3, IAM, VPC, ELB), Azure (VMs, Storage, Networking)
Containers	Docker, Kubernetes
Scripting & Automation	Python, Shell
Monitoring	Prometheus, Grafana
Version Control	Git, GitHub
Virtualization	VMware
Operating Systems	Linux, Windows Server

Professional Projects:

Project 1: UPL – Multi-Cloud Infrastructure Automation and Monitoring

Client: UPL | **Environment:** AWS, Azure, Terraform, Jenkins, GitHub.
Role: DevOps Engineer | **Duration:** Oct 22 – Mar 24

Description:
UPL is a cloud modernization project focused on automating multi-cloud infrastructure across AWS and Azure using Infrastructure as Code (IaC) and CI/CD practices.

Responsibilities:

- Designed and deployed **cloud infrastructure** on both **AWS** and **Azure** using **Terraform**, ensuring consistency and scalability across regions.

- Implemented **GitHub Actions-based CI/CD pipelines** for automated build, test, and deployment processes.

- Managed configuration and provisioning tasks using **Ansible**, automating service setup based on client requests.

- Monitored multi-region cloud environments using **Prometheus** and **Grafana**, ensuring uptime and performance compliance.

- Worked closely with application and cloud teams to troubleshoot, optimize, and enhance service reliability.

- Handled cross-region failover and backup testing to validate high-availability architecture.

Key Achievements:

- Reduced manual provisioning efforts by **70%** using Terraform automation.

- Improved deployment reliability by **40%** through CI/CD pipeline optimization and proactive monitoring.

<u>Project 2: C-Design – AWS Migration and Application Deployment</u>
Client: C-Design | **Environment:** AWS, Python, Jenkins, Git, EC2, S3, IAM, VPC, CloudWatch.
Role: DevOps Engineer | **Duration:** May 24 – Present
Description:
C-Design involved migrating a large-scale on-premises application to AWS Cloud and establishing end-to-end DevOps pipelines for continuous deployment and monitoring.

Responsibilities:

- Migrated **1.5 TB of application and data** from on-premises servers to **AWS S3 and EC2** using custom **Python automation scripts**.

- Designed and implemented **Jenkins-based CI/CD pipelines** integrated with **GitHub** for continuous integration and release automation.

- Deployed web applications on **Tomcat** servers and managed version releases across QA, UAT, and Production environments.

- Created and managed **AWS resources** (EC2, S3, IAM, VPC, CloudWatch, etc.) as per project and application team requirements.

- Collaborated with application developers to deploy and troubleshoot environment-specific configurations.

- Monitored application performance and AWS services to ensure smooth post-migration operations.

Key Achievements:

- Successfully migrated and deployed 1.5 TB of data with zero downtime.

- Enhanced release frequency and stability by introducing automated build and deployment pipelines.

Current Organization: Wissen Infotech, Role: Cloud & DevOps Engineer
Skills: AWS, Azure, Terraform, Jenkins, Docker, Kubernetes, Ansible, Git, Python, CI/CD, Cloud Infrastructure.

Education:

- MBA from JNTU Anantapur 2019-2021

Certifications:

- AWS Certified Cloud Practitioner