

## SUJAN K S

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## Objective

Motivated and detail-oriented AWS & DevOps Engineer, trained in modern DevOps tools and cloud infrastructure, seeking an entry-level DevOps role to build scalable, automated, and secure cloud infrastructure and CI/CD pipelines. seeking an entry-level role where I can contribute to building scalable, automated, and secure deployment pipelines. Passionate about cloud-native solutions, continuous integration/delivery, and proactive monitoring.

## Summary

- AWS and DevOps fresher with hands-on project experience in CI/CD, cloud deployment, containerization, and monitoring.
- Built end-to-end DevOps pipelines using **Jenkins, GitHub, Docker, and Terraform**.
- Deployed real-time applications on **AWS EC2**, configured **VPC** networks, and hosted static sites on **S3**.
- Experience with **infrastructure monitoring** (Prometheus, Grafana, CloudWatch) and **basic configuration management** using Ansible.
- Quick learner with strong practical skills and team collaboration mindset

## Skills

**Cloud Platforms:** AWS (EC2, S3, IAM, VPC, RDS, Auto Scaling, ELB, CloudWatch).

**DevOps Tools:** Jenkins (Freestyle & Pipeline), Git, GitHub, Docker, Terraform.

**CI/CD:** Jenkins Pipelines, GitHub Integration, Shell Scripting.

**Infrastructure as Code:** Terraform, YAML.

**Monitoring:** Prometheus, Grafana, AWS CloudWatch.

**OS & Scripting:** Linux (Amazon Linux, Ubuntu), Bash.

**Basics:** Ansible, Kubernetes (Intro level).

## Projects

### CI/CD with Jenkins, Docker & GitHub

Built a complete CI/CD pipeline using Jenkins to pull code from GitHub, build a Docker image, and push it to DockerHub (suanx repo).

Deployed a web app on AWS EC2 with Docker.

### Automated EC2 Deployment using Jenkins Freestyle Job

Configured Jenkins Freestyle job to auto-deploy a GitHub-based web application on EC2 via shell scripting.

### AWS VPC Setup (2-tier Architecture)

Created a secure VPC with public/private subnets, NAT Gateway, and route tables.

Deployed EC2 instances and simulated real-world infrastructure scenarios.

### Static Website Hosting on AWS S3

Hosted a personal portfolio website using AWS S3. Configured bucket policies and enabled public access.

### **Monitoring with Prometheus & Grafana**

Installed and configured Prometheus & Grafana on EC2 to monitor Docker containers and system metrics.

Built dashboards for resource usage and alerts.

### **Infrastructure Automation using Terraform**

Used Terraform to provision AWS infrastructure including EC2, S3, and IAM roles.

Created reusable modules and managed state files for consistent deployment.

### **Kubernetes Deployment Rollback with Helm**

Managed containerized app deployments using Kubernetes and Helm.

Tested version rollbacks using helm rollback for safer releases and quick recovery from bad deployments.

### **S3-Based Static Asset Deployment with Versioning**

Created a versioned static asset delivery system using AWS S3, CloudFront, and lifecycle rules.

Enabled smooth updates and rollbacks for web UI content with minimal downtime.

## **Certifications**

**AWS Solutions Architect – 2025** (*MicroDegree*)

**DevOps Engineer – 2025** (*MicroDegree*)

*Covered AWS, Jenkins, Docker, Kubernetes, Terraform, Ansible, Monitoring, Linux*

## **Education**

**B.E. in Electronics & Communication**

N.M.A.M Institute of Technology, Nitte — 2024

**Diploma in Electronics & Communication**

N.R.A.M Polytechnic, Nitte — 2021