

Satnam Grover

Fresher DevOps Engineer

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Professional Summary

Fresher DevOps Engineer with hands-on project experience in CI/CD (Continuous Integration/Continuous Deployment) automation, Docker containerization, Kubernetes container orchestration, Jenkins pipeline automation, AWS cloud infrastructure, and Linux system administration. Built and deployed containerized applications using automated pipelines, Kubernetes workloads, and AWS services including EKS and ECR. Working knowledge of Infrastructure as Code (Terraform), networking fundamentals, monitoring, Git version control workflows, and system troubleshooting. Seeking an entry-level DevOps Engineer role to apply practical project experience while continuously learning and contributing to reliable, automated software delivery.

Education

Punjabi University, Patiala, India

August 2022 – June 2025

Bachelor of Computer Applications (BCA)

- Secured 2nd position in class during the final academic year (Top 5% of cohort).
- Coursework: Operating Systems, Computer Networks, Data Structures & Algorithms, Software Engineering, Database Management Systems.

Technical Skills

CI/CD & Automation:	Jenkins, Git, GitHub, GitLab CI/CD, CI/CD Pipelines, Pipeline Automation, Pipeline-as-Code
Containers & Orchestration:	Docker, Docker Hub, Kubernetes, Minikube, Deployments, Services, StatefulSets, PV/PVC, ConfigMaps, Secrets, Helm basics, Container Orchestration
AWS & Cloud:	EC2, EKS, ECR, IAM, VPC, S3, CloudWatch, Route 53, Cloud Deployment, Cloud Infrastructure
Infrastructure as Code:	Terraform (VPC, EKS, IAM, remote state), Ansible basics, Infrastructure Automation
Linux, Networking & Scripting:	Linux Administration (RHEL/Ubuntu), Bash scripting, SSH, TCP/IP, DNS, System Troubleshooting
Monitoring & Observability:	Prometheus, Grafana, Kubernetes Monitoring, Application Monitoring, Log Analysis
Version Control:	Git, GitHub, GitLab

Projects

Flask Application – Jenkins CI/CD Pipeline

Python, Flask, Jenkins, Docker, Docker Hub

- Built a CI/CD pipeline automating application testing, Docker image creation, publishing, and deployment.
- Configured Jenkins to trigger automated builds on application changes pushed to Git.
- Containerized the Flask application with Docker and pushed images to Docker Hub.
- Practiced Git version control workflow, Docker image management, and deployment troubleshooting.

Deployed Full Stack Chat Application

Docker, Kubernetes, Jenkins, Minikube

- Deployed a full-stack chat application on Kubernetes using separate frontend and backend Deployments.
- Configured a database with a Kubernetes StatefulSet, PersistentVolume (PV), and PersistentVolumeClaim (PVC).
- Containerized application components with Docker and automated deployment using Jenkins.
- Worked with Kubernetes Services and troubleshooting of containerized workloads.

Python Application Deployment on AWS EKS

AWS, Docker, Jenkins, ECR, EKS

- Containerized a Python application using Docker for AWS cloud deployment.
- Built a Jenkins pipeline to automate Docker image creation and deployment steps.
- Pushed container images to Amazon ECR and deployed the application on Amazon EKS.
- Gained practical experience with ECR, EKS, Kubernetes deployments, and AWS cloud infrastructure.

Core Competencies

CI/CD Automation • Docker • Kubernetes • AWS • Jenkins • Linux • Git • Terraform • Cloud Deployment • Infrastructure as Code • Networking • Monitoring • Troubleshooting • Container Orchestration • Continuous Learning