

Pawan Singh

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Career Objective

Motivated and detail-oriented DevOps and Cloud Engineer (Fresher) seeking an entry-level opportunity to design, automate, and manage scalable, secure, and efficient cloud infrastructure using AWS and DevOps tools. Eager to contribute to cloud-native deployments, automation pipelines, and monitoring systems that enhance performance, reliability, and security within dynamic organizations.

Professional Summary

Enthusiastic and detail-oriented **DevOps & Cloud Engineer (Fresher)** with a solid understanding of **CI/CD automation, containerization, and cloud deployment**. Skilled in leveraging tools such as **GitHub Actions, Jenkins, Docker, Kubernetes (EKS), and AWS** to design and manage secure, automated pipelines. Possess hands-on experience with **DevSecOps tools** including **Trivy, Docker Scout, and SonarQube** for vulnerability scanning and code quality analysis. Passionate about implementing automation, security, and monitoring solutions to ensure reliable and scalable cloud-native applications.

Education

- **Galgotias University, Greater Noida** — Master's of Computer Application (2023-2025)

Certifications

- AWS Certified Solutions Architect – Associate

Technical Skills

- **Cloud & AWS:** EC2, S3, RDS, Lambda, IAM, VPC, CloudWatch, CloudFormation, ELB, EKS, ECS, Route53
- **DevOps & CI/CD:** Jenkins, GitHub Actions, Docker, Kubernetes, ArgoCD, Terraform, Ansible
- **Infrastructure as Code (IaC):** Terraform, CloudFormation
- **Configuration Management:** Ansible (automation of deployments and server configurations)
- **Containerization & Orchestration:** Docker, Kubernetes (Basic)
- **Monitoring & Logging:** Prometheus, Grafana, CloudWatch
- **Networking & Security:** VPC, Subnets, NAT, Security Groups, IAM Roles/Policies, Load Balancers
- **Version Control:** Git, GitHub, GitLab
- **Scripting & Programming:** Bash, Python(Basic)
- **Databases:** MySQL, PostgreSQL, DynamoDB

Professional Experience

AWS DevOps Engineer — Personal/Training Projects

2025 – Present

- Built and optimized CI/CD pipelines using Jenkins and GitHub Actions.
- Automated AWS infrastructure setup with Terraform (IaC).
- Containerized and deployed applications on Kubernetes (EKS).
- Integrated SonarQube, Trivy, and Grafana for security and monitoring.
- Managed AWS EC2, S3, IAM, and VPC with focus on automation and cost efficiency.

Projects

Scouting Myntra App — DevSecOps CI/CD Pipeline (GitHub Actions)

2025

Technologies: GitHub Actions, Docker, Trivy, Docker Scout, SonarQube, Kubernetes (EKS), AWS

Overview: Created a CI/CD pipeline for a Myntra-like e-commerce app using GitHub Actions to automate build, test, and deployment steps. Integrated security tools to make the process faster and safer.

- Built automated workflows using **GitHub Actions** for continuous integration and delivery.
- Used **Trivy** and **Docker Scout** to scan images for security issues.
- Added **SonarQube** to check code quality before deployment.
- Deployed the app on **AWS EKS (Kubernetes)** using **Helm**.

Secure Hotstar Clone — DevSecOps Pipeline (Jenkins & Docker)

2025

Technologies: Jenkins, Docker, Trivy, SonarQube, Kubernetes, AWS EC2, GitHub

Overview: Built a CI/CD pipeline for a Hotstar-like video streaming app using Jenkins and Docker. Focused on automating builds, testing, and deployments with security checks.

- Designed a **Jenkins pipeline** to automate build and deploy stages.
- Used **Docker** for containerization and **Trivy** for image scanning.
- Added **SonarQube** for code review and quality analysis.
- Deployed containers on **AWS EC2** using **Kubernetes**.

Netflix Clone — Cloud Monitoring Project (Prometheus & Grafana)

2025

Technologies: Docker, Kubernetes, Prometheus, Grafana, Jenkins, AWS, Nginx

Overview: Deployed a Netflix-like streaming app on AWS and added monitoring tools to track system health and performance in real time.

- Deployed containers using **Docker** and managed them with **Kubernetes**.
- Set up **Prometheus** and **Grafana** for monitoring and dashboards.
- Automated updates and deployments using **Jenkins**.
- Configured **Nginx** for load balancing and routing.

Achievements

- Deployed and managed multiple cloud-native projects on AWS using DevOps practices.
- Implemented secure CI/CD pipelines following DevSecOps best practices.
- Built monitoring dashboards to improve system reliability and visibility.

Soft Skills

Problem Solving, Team Collaboration, Communication, Time Management, Adaptability

Keywords

AWS, Amazon Web Services, DevOps, CI/CD, Jenkins, Docker, Kubernetes, Terraform, Ansible, Grafana, Prometheus, Cloud, Automation, Linux, Monitoring, Infrastructure as Code