

# Shaheen Nayyar

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## Professional Summary

DevOps Engineer with expertise in building and optimizing CI/CD pipelines, container orchestration, and cloud infrastructure automation. Proven track record of reducing deployment time by 75% and achieving 99.9% system uptime through robust automation and monitoring solutions. Skilled in AWS, Kubernetes, Docker, Jenkins, Terraform, and Ansible with strong focus on Infrastructure as Code and continuous delivery. Passionate about implementing DevOps best practices to accelerate software delivery while maintaining security and reliability.

## Skills

**Cloud Platforms:** Amazon Web Services (AWS) - EC2, S3, VPC, IAM, Route53, CloudWatch, EKS, Lambda

**Containerization & Orchestration:** Docker, Kubernetes, Helm, Amazon EKS, Container Networking, Pod Management

**CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI, ArgoCD

**Infrastructure as Code:** Terraform, Ansible, CloudFormation, eksctl, Infrastructure Automation

**Scripting & Programming:** Python, Bash, Shell Scripting, Groovy, YAML, JSON

**Web Servers & Reverse Proxy:** NGINX, Apache, Load Balancing, SSL/TLS Configuration, HTTPS Setup

**Version Control & Collaboration:** Git, GitHub, GitLab, Branching Strategies, Code Review, Pull Requests

**Monitoring & Logging:** Prometheus, Grafana, CloudWatch, Application Performance Monitoring

## Projects

### Full Stack Real-Time Chat Application

GitHub

- Challenged with deploying complex three-tier WebSocket application requiring high availability, architected AWS infrastructure with Docker containerization and Kubernetes orchestration supporting 1000+ concurrent connections
- Eliminated 4-hour manual deployments by building Jenkins Pipeline as Code with automated testing, Docker builds, and Kubernetes deployments, achieving 15-minute deployment cycles (75% reduction)
- Configured NGINX reverse proxy with SSL/TLS certificates and load balancing across 3+ pods, improving response time by 30%
- Technologies:** Docker, Kubernetes, Jenkins, AWS EKS, NGINX, Git, YAML, Let's Encrypt

### EasyShop E-Commerce Platform

GitHub

- Modernizing legacy deployment lacking automation, designed AWS EKS cluster with Terraform and implemented GitOps via ArgoCD, reducing deployment cycles from 2 hours to 5 minutes
- Standardized CI/CD across teams by creating Jenkins shared library with 15+ reusable functions, cutting code duplication by 70%
- Built parameterized Helm charts for multi-environment deployments (dev, staging, prod), reducing configuration errors by 85%
- Deployed Prometheus monitoring with Grafana dashboards, achieving 99.9% uptime and reducing MTTD from 45 to 5 minutes
- Technologies:** Kubernetes, ArgoCD, Jenkins, Helm, Docker, AWS, Terraform, Prometheus, Grafana, Groovy

### Chattingo WebSocket Application

GitHub

- Containerized React + Spring Boot application using Docker multi-stage builds, reducing image size from 1.2GB to 450MB
- Automated VPS deployment with Jenkins and Docker Compose, reducing deployment time from 1 hour to 8 minutes
- Configured NGINX with SSL and WebSocket support, achieving A+ SSL rating and zero data loss across 20+ deployments
- Technologies:** Docker, Docker Compose, Jenkins, NGINX, Certbot, Spring Boot, PostgreSQL

## Education & Certifications

**Bachelor of Arts (B.A.)** – Jamia Millia Islamia, New Delhi

2020 – 2023

**Bachelor of Education (B.Ed.)** – Al-Falah University, Faridabad

2023 – 2025

**Certifications:** DevOps Engineering – TrainWithShubham (2024)