

Shashi Kant Singh

Site Reliability / Cloud DevOps Engineer (3+ Years' Experience)

■ inboxtoshashi@gmail.com | ■ +91 7985457919 | ■ LinkedIn

Professional Summary

Site Reliability Engineer with 3+ years of experience in AWS, Kubernetes, Terraform, and CI/CD automation. Proven expertise in infrastructure as code (IaC), observability, incident response, and cost optimization. Skilled in building highly available, scalable, and secure cloud-native platforms. Recognized for improving system reliability, reducing downtime, and enabling faster deployments.

Technical Skills

- Cloud Platforms: AWS (EC2, S3, VPC, CloudFront, Route 53, IAM, EKS)
 - CI/CD & DevOps Tools: Jenkins, GitHub Actions, Git
 - Containers & Orchestration: Docker, Kubernetes
 - Infrastructure as Code (IaC): Terraform, Bash, Python
 - Monitoring & Observability: Prometheus, Grafana, CloudWatch, ELK (Elasticsearch, Logstash, Kibana)
 - Networking & Security: VPN, SSL/TLS, Security Groups, Cloudflare
 - Programming/Scripting: Python, Shell, C++
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Professional Experience

Site Reliability Engineer | Nagravision, Bengaluru | Aug 2022 – Present

- Automated Kubernetes backup for ConfigMaps using Jenkins, Terraform, and Shell, reducing upgrade time by 20%.
- Optimized AWS infrastructure (CPU/memory utilization), achieving 25% cost savings and improved performance.
- Enhanced observability by integrating Prometheus, Grafana, and Kibana, reducing incident detection time by 30%.
- Automated CI/CD pipelines, improving release reliability and reducing deployment effort.
- Provided 24/7 on-call support, promptly resolving critical incidents (including late-night escalations) to ensure maximum service uptime and business continuity.

Freelance Cloud/DevOps Engineer (SME) | Grey Nodes | Mar 2021 – Jun 2022

- Designed and deployed highly available applications on AWS using Docker and Kubernetes.
 - Developed a URL shortener service (Python + Flask) with auto-scaling and failover for high reliability.
 - Built a Pastebin-like solution handling 2,000+ QPS, deployed via Terraform, Docker, and Jenkins.
 - Implemented monitoring with Prometheus & Grafana, ensuring high availability and resource optimization.
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Certifications & Achievements

- Bravo Award – Automated Kubernetes deployments, reducing downtime ([Link](#))
 - Bravo Award – Optimized monitoring solutions, improving incident detection ([Link](#))
 - HashiCorp Certified: Terraform Associate ([Certificate](#))
 - Terraform for AWS – Beginner to Expert ([Certificate](#))
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Education

- MCA, CMRIT, Bengaluru – 2022
 - B.Sc, SMTIGM, Uttar Pradesh – 2018
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Additional Details

- Work Mode: Open to Remote / Onsite
- Languages: English, Hindi