

Ritesh Singh

DevOps & Cloud Engineer | CI/CD Pipelines | Cloud Automation | Docker & Kubernetes

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SUMMARY

- DevOps & Cloud Engineer with 100+ days of hands-on experience in automating cloud deployments and building CI/CD pipelines using Docker, Kubernetes, AWS, Jenkins, GitHub Actions, Terraform, and Ansible.
- Experienced in creating end-to-end DevOps pipelines for containerized applications, enabling faster deployment and robust automation.
- Skilled in designing, deploying, and monitoring scalable infrastructure with Prometheus, Grafana, and ELK Stack for performance optimization.
- Active technical blogger with 70+ published articles on Hashnode and DevCommunity, sharing DevOps best practices, cloud automation techniques, and project tutorials.

SKILLS

- **Cloud Platforms:** AWS (EC2, S3, IAM, VPC, RDS, Route53, CloudFormation, Lambda, CloudFront)
- **CI/CD & Automation:** Jenkins, GitHub Actions, CodePipeline, Ansible, Terraform, Docker, Kubernetes
- **Monitoring & Security:** Prometheus, Grafana, ELK Stack, Trivy, Vault
- **Scripting & Programming:** Bash, Python, YAML, SQL, JavaScript
- **Version Control & Collaboration:** Git, GitHub, Git Workflows, Branching, Pull Requests

WORK EXPERIENCE

- **Practical DevOps Projects & Blogging** June 2025 - Present
[GitHub](#)
Implemented CI/CD pipelines, containerization, and cloud deployments using Docker, Kubernetes, Terraform, and AWS. Published 70+ technical blogs on Hashnode, sharing DevOps knowledge with the community.
- **Web Dev Intern — Suven Consultants & Tech Pvt. Ltd.** Dec 2023 - Jan 2024
[Link](#)
Built responsive web apps using React and TailwindCSS integrated with CI/CD workflows, collaborating with the team through Git-based version control

PROJECTS

- **Full-Stack DevOps Automation Project (Next.js, Docker, GitHub Actions, AWS, Prometheus, Grafana)**
[Live](#) | [GitHub](#) | [Blog](#)
Designed and implemented an end-to-end DevOps pipeline for a Next.js portfolio, automating CI/CD with GitHub Actions and containerization with Docker. Deployed services on AWS using Route 53 for domain management and CloudFront for global delivery, ensuring high availability and scalability while reducing manual deployment effort by 70%. Integrated Prometheus and Grafana for real-time monitoring .
- **DevSecOps Pipeline (Jenkins, Terraform, Ansible, Docker, Trivy, AWS)**
[GitHub](#) | [Blog](#)
Built an end-to-end DevSecOps pipeline integrating Terraform (IaC), Ansible (CM), and Jenkins CI/CD. Automated Flask app deployment on AWS with Trivy image scanning and Prometheus-Grafana monitoring, improving deployment speed by 60%.
- **Serverless CI/CD Pipeline (AWS Lambda, API Gateway, CodePipeline, S3, CloudFront)**
[GitHub](#) | [Blog](#)
Designed and implemented a fully serverless CI/CD pipeline to automate deployments from GitHub to Amazon S3 using AWS managed services, reducing manual deployment effort by 80%. Configured API Gateway to trigger Lambda on push events, initiating CodePipeline and CodeBuild for seamless build and deployment. Enabled global delivery via CloudFront and real-time monitoring with CloudWatch, improving deployment speed, reliability, and scalability.

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate**, Udemy Issued 2025 [\[View\]](#)
- **Docker Essentials & Containers**, Udemy Issued 2025 [\[View\]](#)
- **DevOps Fundamentals**, Udemy Issued 2025 [\[View\]](#)

EDUCATION

- **Rajkiya Engineering College (AKTU)** 2021 – 2025
B.Tech in Information Technology, Ambedkar Nagar, UP

ACHIEVEMENTS

- Awarded Serial Blogger on Hashnode (70+ DevOps blogs) Jun 2025 - Present
- Secured **Rank 8** in the national-level **Skills Up India DevOps Challenge** by GeeksforGeeks . Oct-2025
- Completed 100 Days of DevOps Journey with 10+ production-ready projects hosted on AWS and Docker Hub.