Nikhil Mishra

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Summary

DevOps Engineer with 1+ years of experience specializing in cloud infrastructure automation, CI/CD pipeline optimization, and containerization strategies. Demonstrated expertise in migrating monolithic applications to microservices architectures, reducing AWS costs by 92% and improving system performance by 35%. Proficient in Kubernetes, Docker, Terraform, AWS services, monitoring solutions, and infrastructure as code. Published technical writer with 1000+ views on DevOps methodologies and cloud optimization techniques.

Professional Experience

Jul 2024–Present **DevOps Engineer**, *Hooked*, Mumbai, India
- Architected and implemented migration from monolithic application to Kubernetes/EC2 microservices architecture, resulting in 35% latency reduction and improved scalability
- Engineered and optimized CI/CD pipelines across 20+ repositories using GitHub Actions and DockerHub, decreasing deployment time by 30%
- Implemented Infrastructure as Code (IaC) using Terraform and Ansible, ensuring consistent, reproducible, and version-controlled infrastructure deployments
- Developed real-time cost monitoring solution using serverless architecture and Discord integration for proactive budget management
- Optimized AWS resource utilization through right-sizing and architecture improvements, achieving 90% reduction in monthly cloud expenses from $130 to $10
- Designed and deployed serverless monitoring infrastructure on Runpod for 20+ services, integrating ML models that improved system reliability by 15%

May 2023–Aug 2023 **Site Reliability Engineering (SRE) Intern**, *Dukaan*, Bengaluru, India
- Led cloud-to-bare-metal migration initiative that reduced system latency by 20% while maintaining reliability
- Integrated Grafana visualization platform with ELK stack (Elasticsearch, Logstash, Kibana) to enable comprehensive log analysis and performance monitoring
- Developed automation scripts in Bash and Python that reduced manual operational tasks by 40%
- Collaborated with cross-functional teams to implement incident response protocols that reduced Mean Time To Recovery (MTTR) by 25%
- Project documentation: `dukaan.nikhilmishra.live`

Technical Skills

Cloud Platforms	AWS (EC2, Lambda, VPC, S3, CloudFront, Route53), Kubernetes, Docker, Microservices
DevOps Tools	Terraform, Ansible, Jenkins, GitHub Actions, DockerHub, GitOps
Monitoring & Logging	Prometheus, Grafana, ELK Stack, Netdata, Datadog
Scripting & Programming	Bash, Python, Shell Scripting, YAML, JSON
Security & Networking	Cloudflare Workers, DNS Management, fail2ban, Firewall Configuration, VPC
Methodologies	Agile/Scrum, Continuous Integration/Delivery, Infrastructure as Code, Cost Optimization

Projects

2023–Present **DevOps Portfolio Projects**
- Implemented 20+ comprehensive DevOps projects showcasing expertise in cloud infrastructure, containerization, CI/CD pipelines, and infrastructure automation
- Notable achievements include legacy-to-Kubernetes migrations reducing operational costs by 75% and automated monitoring solutions improving system reliability by 25%
- GitHub repository: `github.com/kaalpanikh`

2023–Present **Technical Portfolio Website**
- Designed and deployed personal technical portfolio showcasing DevOps projects, technical articles, and professional achievements
- Implemented analytics tracking showing 107 unique visitors and 8,920 total requests in past 30 days
- Live site: `iam.nikhilmishra.live`

2023–Present **DevOps Technical Blog**
- Author of technical blog focusing on cloud infrastructure, automation, and DevOps best practices with 1,000+ cumulative page views
- Featured articles include "I Escalated My App to the Cloud!", "Multi-Tier App Local Deployments", and "Custom Subdomain Forwarding with Cloudflare"
- Blog URL: `nikhilmishra.live`

Education

Aug 2021–May 2025 (Expected) **Bachelor of Engineering in Computer Engineering**, *Mumbai University*, Boisar, Maharashtra, India

Awards & Achievements

2023 First Prize (5,000) at Shark Tank Competition, Sardar Patel Institute of Technology, for "Jai Kisan" application concept

2023 Selected participant in Buildspace's Nights and Weekends Season 4, focusing on practical DevOps and automation skills development