

# Nikhil Mishra

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## PROFESSIONAL SUMMARY

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DevOps Engineer with proven expertise in architecting, automating, and deploying scalable cloud infrastructures. Transitioned legacy systems to Kubernetes/EC2 microservices, cutting AWS costs from \$130 to \$10/month. Expert in designing CI/CD pipelines, container orchestration, and Infrastructure as Code using Docker, Terraform, and Ansible. Publishes DevOps insights via a blog (1000+ views) and maintains a robust GitHub portfolio.

## WORK EXPERIENCE

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### DevOps Engineer

Jul. 2024 – Present

*Hooked*

*Mumbai, India*

- Migrated from a monolithic web app to a Kubernetes/EC2 microservices architecture, boosting scalability and reducing latency by 35%.
- Built and optimized CI/CD pipelines for 20+ repositories using Dockerhub and GitHub Actions, cutting deployment time by 30%.
- Developed a Discord bot for real-time serverless cost monitoring, enabling proactive budget control.
- Optimized AWS usage to achieve a 90% reduction in monthly expenses.
- Engineered a serverless monitoring solution on Runpod for 20+ services and deployed ML models that improved system reliability by 15%.
- Implemented Infrastructure as Code with Terraform and Ansible for consistent, scalable deployments.

### SRE Intern

May 2023 – Aug. 2023

*Dukaan*

*Bengaluru, India*

- Managed cloud infrastructure and migrated to bare metal, reducing latency by 20%.
- Integrated Grafana with the ELK stack for precise log analysis and performance monitoring.
- Automated routine tasks using Bash/Python, increasing efficiency by 40%.
- Collaborated with teams to reduce mean time to recovery (MTTR) by 25%.
- **Link:** [dukaan.nikhilmishra.live](https://dukaan.nikhilmishra.live)

## PROJECTS

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### Roadmap.sh DevOps Projects

- Executed 20+ projects on automation, containerization, CI/CD, and cloud deployments (GitHub: [github.com/kaalpanikh](https://github.com/kaalpanikh)).
- Highlighted projects include legacy-to-Kubernetes migrations and automated monitoring solutions that significantly reduced costs.

### iam.nikhilmishra.live Portfolio

[iam.nikhilmishra.live](https://iam.nikhilmishra.live)

- Central hub for all DevOps projects, technical articles, and blog posts.
- Site analytics: 107 unique visitors and 8.92k total requests in the past 30 days.

### Technical Blog Contributions

[nikhilmishra.live](https://nikhilmishra.live)

- Authored in-depth DevOps articles with 1000+ page views on cloud automation and multi-tier deployments.
- Featured posts: **I Escalated My App to the Cloud!**, **I Can Set Up a Multi-Tier App Locally for You**, **Custom Subdomain Forwarding with Cloudflare**.

## SKILLS

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**Cloud & Virtualization:** AWS, EC2, Serverless, Kubernetes, VPC, Cloud Networking

**Containerization:** Docker, Kubernetes, Microservices, Container Registries

**IaC & Automation:** Terraform, Ansible, Jenkins, GitHub Actions, GitOps

**Monitoring:** ELK, Prometheus, Grafana, Netdata

**Scripting:** Bash, Python, Shell Scripting

**Security & Networking:** fail2ban, DNS Management, Firewall Management, Cloudflare Workers

**Methodologies:** Agile, Cost Optimization, Performance Tuning, Incident Management

## EDUCATION

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**Mumbai University**

*Bachelor of Engineering in Computer Engineering*

Boisar, Maharashtra, India

*Aug. 2021 – May 2025 (Expected)*

## AWARDS & CERTIFICATIONS

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Won 1st prize (5000 cash) at the Shark Tank Competition at Sardar Patel Institute of Technology, Andheri, for the app idea **Jai Kisan**.

Participated in Buildspace's Nights and Weekends Season 4, refining practical DevOps and automation skills.