

Nikhil Mishra

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WORK EXPERIENCE

DevOps Engineer

Jul. 2024 – Present

Hooked

Mumbai, India

- Orchestrated the migration from a monolithic web app to a Kubernetes/EC2 microservices architecture, boosting scalability and reducing latency by 35%.
- Streamlined CI/CD pipelines for 20+ repositories using Dockerhub, GitHub Actions, cutting deployment time by 30%.
- Developed and deployed a Discord bot for real-time serverless cost monitoring, enabling proactive budget control and reducing cloud expenses.
- Optimised AWS infrastructure, achieving a 90% reduction in monthly expenses through cost-effective resource allocation and automation.
- Collaborated with cross-functional teams to improve system uptime by 25% through incident response automation.

SRE Intern

May 2023 – Aug. 2023

Dukaan

Bengaluru, India

- Managed cloud infrastructure and migrated to bare metal, reducing latency by 20% and improving system performance.
- Integrated Grafana with the ELK stack for precise log analysis and performance monitoring, enhancing observability.
- Automated routine tasks using Bash, Python, and PowerShell, increasing operational efficiency by 40%.
- Link:** SRE Intern Documentation

PROJECTS

Portfolio of 20+ DevOps projects

- Showcased a comprehensive portfolio of 20+ repositories, aligned with the DevOps roadmap.
- Repositories include **Blue-Green Deployment**, **Bastion Host Setup**, **File Integrity Checker**, and more.
- GitHub Link:** github.com/kaalpanikh
- Showcase Link:** iam.nikhilmishra.xyz

Technical Blogs

- I write about the DevOps projects I build. My blog features 20 articles, collectively garnering over 3000 views.
- Blog Link:** nikhilmishra.xyz

Vibe Coded Projects

- aushadhiai.nikhilmishra.xyz:** Built at a 24-hour hackathon with a friend; reads doctor prescriptions and provides detailed medicine information. Currently backend is down due to aws bills.
- isitcricket.nikhilmishra.xyz:** Classic online cricket batting game.
- bounce.nikhilmishra.xyz:** Web version of the iconic ball game from Nokia mobiles.
- pokemon.nikhilmishra.xyz:** Unlimited Pokémon card showcase and browser.

SKILLS

Cloud & Virtualization: AWS, Google Cloud, Azure, Serverless

Containerization: Docker, Kubernetes, Microservices, Container Registries

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

Monitoring: ELK, Prometheus, Grafana, Netdata

Scripting: Bash, Python, Shell Scripting, Golang

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

Methodologies: Agile, Cost Optimisation, Performance Tuning, Incident Management, Collaboration

EDUCATION

Theem College of Engineering, Mumbai University

Boisar, Maharashtra, India

Bachelor of Engineering in Computer Engineering

Aug. 2021 – May 2025