

# Nikhil Mishra

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## EXPERIENCE

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### DevOps Engineer

Jul. 2024 – Present

*Hooked*

*Mumbai*

- Optimized AWS infrastructure, reducing monthly costs from \$120+ to under \$10 through efficient resource management and cost-saving strategies.
- Architected and implemented end-to-end CI/CD pipeline, including Docker image creation, GitHub Actions workflows, and RunPod integration, streamlining the development and deployment process.
- Established robust infrastructure components, including AWS object storage and SMTP server setup, while also taking on SRE responsibilities to ensure system reliability and performance.

### SRE Intern

May 2023 – Aug. 2023

*Dukaan*

*Bengaluru*

*The Dukaan Blog*

- Played a key role in migrating Dukaan's renowned bare metal infrastructure, ensuring smooth transition and minimal downtime through meticulous planning and execution.
- Implemented comprehensive monitoring solutions, including Grafana dashboards and ELK stack integration, to track API health and critical system metrics, enhancing overall system observability and performance.
- Contributed to the initial development of Bot9AI while maintaining vigilant monitoring of mission-critical systems, setting up alerts, and providing rapid response to potential issues, thereby ensuring high availability and reliability of services.

## PROJECTS

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### My DevOps Blog

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

*Technologies used: VMware VirtualBox, Vagrant, Linux, Bash, AWS (EC2, Route53, ACM, ELB, S3, ASG, IAM)*

- Developed a comprehensive DevOps blog showcasing multi-tier web application deployment techniques.
- Implemented local deployment using Vagrant and VirtualBox, integrating services like Nginx, Memcache, RabbitMQ, Tomcat, and MySQL ([Blog Link](#)).
- Demonstrated cloud migration strategies by escalating the application to AWS, utilizing various IaaS services ([Blog Link](#)).
- Showcased proficiency in both on-premises and cloud-based DevOps practices, emphasizing scalability and infrastructure management.

## TECHNICAL SKILLS

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**Cloud & Infrastructure:** AWS (EC2, Route53, ACM, ELB, S3, ASG, IAM), Kubernetes, Docker, Terraform, Ansible, RunPod.

**CI/CD & Version Control:** Jenkins, Git, GitHub, GitOps.

**Monitoring & Logging:** ELK Stack, Prometheus, Grafana.

**Operating Systems & Scripting:** Linux, Bash Scripting.

**Virtualization & Development:** VMware VirtualBox, Vagrant, VS Code.

**Web Services & Databases:** Nginx, Tomcat, SMTP server, MySQL, RabbitMQ, Memcache.

## EDUCATION

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### Mumbai University

Boisar, Maharashtra

*Bachelor of Engineering in Computer Engineering*

*Aug. 2021 – May 2025 (Expected)*