Nikhil Mishra

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EXPERIENCE

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

My DevOps Blog 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

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

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