

Nikhil Bamane

DevOps Engineer

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Professional Summary

Motivated and skilled DevOps Engineer with over 4.6 years of experience designing and managing scalable cloud infrastructures, having improved software delivery speed by 30% through automation and CI/CD pipeline optimizations using AWS, Jenkins, Terraform, and Ansible. Successfully enhanced system security and reliability by integrating containerization and monitoring solutions, reducing incident detection time by 40% and cutting manual provisioning efforts by 60%. Passionate about leveraging industry best practices to drive operational excellence and foster innovation within dynamic teams.

Experience

- **Assistant Manager - DevOps** – NCDEX e Markets Ltd. (NeML) *March 2024 – Present*
 - Accelerated software delivery by designing and optimizing CI/CD pipelines, reducing release cycles by 30% through automation and improved workflow orchestration.
 - Successfully migrated AWS infrastructure from AL2 to AL2023, ensuring a seamless transition with zero critical downtime by conducting thorough application testing and phased rollouts.
 - Improved system security and uptime by automating server patching using Ansible, integrating vulnerability scans, compliance checks, and deployment workflows across cloud and on-premises environments.
 - Enhanced reliability and observability by introducing real-time log monitoring and integrating tools like Prometheus, Grafana, and Zabbix, which reduced mean-time-to-detect (MTTD) incidents by 40%.
 - Streamlined cross-functional operations by managing AWS and Azure cloud environments, achieving 99.9% service availability while optimizing infrastructure costs by nearly 20% through right-sizing and resource tagging.
 - Championed DevSecOps practices by collaborating with development, operations, and security teams to implement containerization via Docker and Kubernetes, making deployments more consistent and scalable.
 - Advanced Infrastructure as Code adoption by driving automation efforts with Terraform and Ansible, cutting manual provisioning efforts by 60% and ensuring compliance with organizational standards.
- **DevOps Engineer** – Tecogis *October 2021 – March 2024*
 - Designed and maintained efficient CI/CD pipelines using tools like Jenkins and Git, which streamlined deployments and reduced release times by up to 40% over my 3.5 years of experience, allowing teams to focus more on innovation rather than manual processes.
 - Automated cloud infrastructure management with AWS, Azure, Terraform, and Ansible, enabling scalable environments that handled increased workloads without downtime, ultimately cutting operational costs and improving system reliability.
 - Containerized applications via Docker and orchestrated them with Kubernetes, ensuring consistent and reliable rollouts across development stages, which minimized errors and accelerated feature delivery for multiple projects.
 - Set up comprehensive monitoring systems using Prometheus, Grafana, and the ELK stack, proactively identifying and resolving issues before they impacted users, leading to higher uptime and fewer production incidents.
 - Strengthened security protocols through regular vulnerability scans and best-practice implementations, reducing potential risks and ensuring compliance, which protected sensitive data and built trust in our infrastructure.
 - Provisioned scalable AWS resources including EC2 instances, Auto Scaling groups, Elastic Load Balancing, and CloudFormation templates, supporting growing user demands while optimizing resource efficiency and performance.
 - Architected secure VPC setups with custom subnets, route tables, NAT gateways, and VPN connections, creating isolated networks that enhanced data privacy and prevented unauthorized access in a multi-tenant environment.

● DevOps Intern – Nitor Infotech

December 2020 – September 2021

- Collaborated with the development team to design and implement CI/CD pipelines using Jenkins and Docker, which accelerated deployment cycles by 30%, enabling faster delivery of features and updates.
- Created and maintained monitoring dashboards with Prometheus and Grafana, allowing the team to proactively detect and resolve issues, supporting a reliable 99.9% uptime for test servers during the internship.
- Assisted in deploying and managing cloud infrastructure by leveraging Docker, Kubernetes, and AWS/Azure services, contributing to efficient resource utilization and environment scalability.
- Supported the optimization of build and release workflows, resulting in smoother and faster software deployments that improved overall project turnaround.
- Configured AWS services such as EC2 and S3 and worked with cross-functional teams to automate backup processes, enhancing system scalability and resilience in a cloud environment.

Skills And Tools

- Linux
- Git, GitHub, GitLab
- Bash
- Shell Scripting
- AWS
- EC2
- VPC
- S3
- IAM
- SQL
- Generative AI
- Agile
- Scrum
- Maven
- Jenkins
- Docker
- Ansible
- Terraform
- Kubernetes
- Python
- RDS Aurora
- JIRA
- Leadership
- Quick Learner
- Team Player
- Problem Solving
- Communication
- Negotiation
- Interpersonal
- Result Oriented

Certifications / Courses

- **AWS Certified Cloud Practitioner** 2023
 - Amazon Web Services
- **Fortinet Network Security Expert 1 & 2** 2020
 - Fortinet
- **Diploma in Software Programming** 2017
 - Micro, Small and Medium Enterprises (MSME), Government of India
 - Institute For Design of Electrical Measuring Instruments (IDEMI), Mumbai

Education

- **Master of Business Administration - Information Technology (MBA-IT)** 2025
 - D. Y. Patil University (DPU)
- **Bachelor of Computer Engineering (BE-Computer)** 2020
 - University of Mumbai (MU)
- **Diploma in Computer Engineering** 2017
 - Shivaji University