Ranjan Kumar Upadhyay

Aspiring DevOps & Cloud Engineer (MCA – Cyber Security)
Noida, Uttar Pradesh, India
Portfolio — GitHub — LinkedIn

Professional Summary

Aspiring DevOps and Cloud Engineer pursuing MCA with specialization in Cyber Security. Hands-on experience in CI/CD automation, containerization, cloud monitoring, and event-driven AWS architectures. Strong problem-solving mindset with the ability to collaborate across teams to build secure, scalable, and observable systems.

Technical Skills

- **Programming & Scripting:** Python, Bash, Shell Scripting, YAML
- **DevOps & Automation:** Jenkins, Ansible, CI/CD Pipelines
- **Containers & Orchestration:** Docker, Kubernetes (Foundational)
- **Cloud Platform:** AWS (EC2, S3, IAM, Lambda, SNS, SQS, SES)
- **Monitoring & Logging:** CloudWatch, Prometheus, Grafana, ELK Stack
- **Infrastructure as Code:** Terraform (Foundational)
- **Version Control & OS:** Git, GitHub, Linux (Ubuntu)
- **Collaboration Tools:** Jira, Agile workflows

Projects

Event-Driven Notification System (AWS)

- Designed and implemented an event-driven architecture using AWS SNS, SQS, and Lambda.
- Enabled reliable asynchronous communication between services using SNS and SQS.
- Developed Lambda functions to process events and send automated email notifications via AWS SES.
- Documented system workflows and architecture to ensure clarity and maintainability.

Secure CI/CD Pipeline with DevSecOps Practices

- Built automated CI/CD pipelines using Jenkins to streamline build and deployment processes.
- Containerized applications using Docker and deployed them to Kubernetes clusters.
- Applied security best practices and troubleshooting techniques during pipeline failures.

Additional DevOps Projects

- Dockerized web applications and deployed them on AWS EC2 using Nginx and Linux.
- Kubernetes-based microservices deployment using YAML manifests and service discovery.
- Automated AWS infrastructure provisioning using Terraform modules.
- Linux system automation and maintenance using Bash shell scripts.

Experience

DevOps Engineer Intern — Orbiqe Technologies, Noida

- Automated CI/CD pipelines using Jenkins and Ansible, reducing manual deployment effort.
- Collaborated with cross-functional teams to deploy and manage containerized applications using Docker and Kubernetes.
- Monitored system performance and reliability using CloudWatch, Prometheus, and Grafana.
- Assisted in incident analysis and basic root cause investigation during deployment issues.

Systems Operations Support — Health Haven Hospital

- Supported system-based billing operations and internal IT workflows.
- Resolved system and application issues through structured troubleshooting and coordination with IT staff.

Education

Master of Computer Applications (MCA) — Cyber Security (Currently Pursuing)
Bachelor of Computer Applications (BCA) (Completed)

Additional Information

- Experience collaborating within Agile teams and documenting technical workflows.
- Strong analytical and problem-solving approach in cloud and system troubleshooting.
- Regularly publish technical blogs on LinkedIn related to DevOps, cloud, and security concepts.