

Samsor Rahman

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Education

University of Engineering and Technology Lahore

Bachelor in Software Engineering

Experience

2N Consulting Group

- DevOps Engineer- Remote12 Months: Jan - Dec 2024
- Implemented robust CI/CD pipelines, reducing deployment time by 30% and enhancing overall development efficiency.
 - Implemented GitOps practices using ArgoCD, reducing deployment errors by 40% and improving system reliability
 - Deployed and managed containerized applications with Docker and Kubernetes, ensuring seamless orchestration and scalability of microservices.
 - Designed and implemented comprehensive observability & monitoring using Open Source solutions, increasing incident response time by 50%.
 - Automated infrastructure provisioning with Terraform, Ansible reducing environment setup time from days to hours & minutes
 - Implemented chaos engineering practices to improve system resilience, reducing unplanned downtime by 25%
 - Developed custom Prometheus exporters for application-specific metrics, enhancing monitoring capabilities.

Ulearna

- DevOps Engineer- RemoteJun 2023 - Jan 2024
- Set up scripts or tools to automatically deploy applications to servers or cloud platforms.
 - Use tools like Terraform or Ansible to provision and manage servers, databases, and networks.
 - Monitor application performance and server health using tools like Prometheus, Grafana, or CloudWatch.
 - Identify and fix issues quickly to keep services running smoothly and reduce downtime.
 - Dockerize and packaging application using Docker.

Bytewise Limited

- Backend & Ops Developer -RemoteFeb - Jun 2022
- Developed and maintained a Django-based content management system, improving content publishing efficiency by 30% and supporting a 15% increase in web traffic.
 - Automated testing processes using Selenium and pytest, reducing bug resolution time by 40% and improving overall code reliability.
 - Participated in agile development sprints, contributing to a 20% increase in project delivery speed and fostering a collaborative team environment.

Projects

End-to-End DevSecOps Kubernetes Project using AWS, Jenkins CICD Pipeline

- I worked on deploying applications using a comprehensive DevSecOps approach, integrating tools like Git & GitHub, Jenkins for CI/CD pipelines, and Docker. managed application deployment and scaling through Kubernetes orchestration. Utilized SonarQube, Trivy, and OWASP Dependency Check for vulnerability scanning to ensure code quality and security. Monitoring and performance tracking were also implemented using Prometheus, Grafana, and Node Exporter.

End-to-end GitOps Project using AWS EKS & Argo CD

- Developed an end-to-end GitOps pipeline using AWS EKS and ArgoCD. Built and optimized Docker images for reduced size and enhanced security. Deployed Kubernetes manifests, services, and ingress controllers with load balancer configuration. Implemented CI using GitHub Actions and CD with GitOps workflow via ArgoCD. Leveraged Helm charts for Kubernetes packaging and automated deployment management across the EKS cluster.

Multi-Tier Microservices Deployment on AWS EKS

- Automated CI/CD pipelines with Jenkins for microservices, deployed containerized apps on Amazon EKS and used Kubernetes for orchestration and scaling. I addressed microservices architecture challenges through efficient service management, streamlined processes with scripting, and implemented monitoring with Prometheus and Grafana for system health tracking.

Automated Kubernetes Cluster Security with Kyverno and ArgoCD

- Implemented automated policy enforcement, governance, and compliance across Kubernetes clusters using Kyverno Policy Generator and ArgoCD. Ensured security through the automatic generation of network policies, validation of image tags, and mutation of pod security policies. Verified the integrity of container images, ensuring compliance and security standards across cloud (AWS, Azure, GCP) and on-premises environments

SKILLS

- Languages & Runtimes:** Python, C++, JS, Shell Scripting, HCL, YAML, Groovy, Node, Express, Django, Flask
- Cloud Technologies:** AWS, Microsoft Azure,
- Other Tools:** Linux, Git & GitHub Actions, Docker, Kubernetes, Terraform, Chaos Engineering, MySQL, MongoDB, Jira, Jenkins, Git lab(beginner), Monitoring & Observability Stacks: Prometheus, Garafana, OpenSearch, Auditing.Kyverno

Community Contribution

- GitHub Campus Expert @Github.
 - AWS Community Builder @AWS
 - Tech Blogger @Medium
- 2023- Present2025- Present2023- Present