



# Anique Ahmad Sarfraz

## DevOps Engineer

✉ anique247@gmail.com    Anique Ahmad Sarfraz    +923146624840

## ABOUT ME

Experienced professional with 1 year of hands-on experience in managing **Linux servers**, including **partitioning**, **monitoring**, **patching**, and **logging**. Skilled in writing Node.js and Java-based **github actions** **CI/CD pipelines**, implementing load balancing of **mysql databases** with ProxySQL, and creating **Kubernetes** manifest files. Adept at ensuring system performance and reliability in dynamic environments.

## WORK EXPERIENCE

### Junior Devops Engineer

09-2023 – 09-2024 | Lahore

*CBA-Community Business Agent, Arfa IT Tower*

- Managed AWS services like EC2, RDS, S3 Aand VPC.
- Worked extensively with **Linux systems** and **Kubernetes**, focusing on managing and optimizing containerized environments
- Built and maintained **Github Actions** **CI/CD pipelines** using GitHub Actions for **Java** and **Node.js** applications, automating deployment workflows.
- Managed databases, including **database replication**, **backups and exporting**.
- Deployed applications using **PM2 package manager**, checked logs for debugging, and ensured smooth running of Node.js apps.
- Implemented **Prometheus** and **Grafana** for monitoring system performance and application health, setting up dashboards for real-time insights.
- Worked with **AWS EC2** instances for scalable infrastructure.
- Managed **Docker container images** for consistent deployments.
- Involved in deploying the code onto web application servers like **Nginx**.
- Set up **ProxySQL** from scratch to enhance database management and improve load balancing across multiple servers.
- Focused on improving system performance and integration across the infrastructure, ensuring streamlined workflows.

*AL-Nafi Consulting Pvt. Ltd*

- Linux System Administrator
- Managed installation, **upgrades**, **maintenance**, **configuration**, and **troubleshooting** of Linux servers.
- Handled **Ubuntu**, **CentOS 6/7/8 infrastructure** for 24x7 uptime.
- Managed file **permissions**, partitions, logical volumes, and swap.
- Implementation of **CronJob** scheduler
- Performed **file system operations** and linked files.
- Monitored resources and conducted remote backups with **Rsync**.
- Applied system patches with **YUM** and configured **firewalls**.
- Stopped unwanted services with the **kill** command.

## **PROJECTS**

---

### **Deploying 3-Tier Application on Docker | Containerizing NodeJs, Mongo Express, MongoDB**

- Deploying 3 tier application on AWS
- Dockerizing App, Database and Database manager
- Connecting mongo-express with db and application

### **Automated CI/CD Pipeline for Node.js App Deployment on AWS**

- Integrated **GitHub** with Jenkins using **webhooks** for automatic triggering of the pipeline upon code commits.
- Automated **Docker image builds** upon code changes
- Pushed Docker images to a secure **Docker Hub** repository for version control
- Utilized AWS services like EC2, ECS, and related tools for deploying and managing containers.

### **Setting of rke2 Kubernetes cluster for Payment application:**

- Set up an **RKE2 Kubernetes cluster** for high availability and scalability.
- Deployed multiple microservices, including **Java** and Node.js applications, using **Helm**.
- Ensured all services were in a running state and optimized their performance.

## **SKILLS**

---

- Linux Administration
- Devops & AWS
- Git
- Jenkins
- Shell Scripting
- kubernetes & rke3
- Docker
- Ansible
- Python & C++
- mysql

## **EDUCATION**

---

### **Bachelor of Science in Information Technology**

*University of Punjab*

CGPA: 3.51

2019 – 2023 | Lahore, Pakistan

### **Fsc**

*Punjab College of Science*

2017 – 2019 | Gujranwala, Pakistan