

Nahid Hasan Riad

✉ nhriyaad@gmail.com ☎ +8801840422522 📍 Dhaka, Bangladesh 🌐 nhriyaad
🔗 nahidn4p ☁ nahidn4p 🔗 Portfolio

Summary

DevOps Engineer with nearly 4 years of professional IT experience spanning infrastructure operations, Linux system administration, networking, backend development, and cloud engineering. Experienced in designing and managing containerized applications using Docker and Kubernetes, automating deployments with GitHub Actions, administering Linux servers, troubleshooting production infrastructure, and building cloud-native solutions across AWS, Google Cloud Platform, and Oracle Cloud Infrastructure. Strong background in Python scripting and REST APIs (Django, FastAPI).

Professional Experience

Devops Engineer (I)

12/2025 – Present

Devxhub Ltd.

- Design and maintain Linux-based cloud infrastructure.
- Build CI/CD pipelines using GitHub Actions.
- Containerize applications using Docker and Docker Compose.
- Work with Kubernetes deployments and cluster management.
- Deploy backend services across cloud environments.
- Troubleshoot production deployments and infrastructure issues.
- Configure networking, reverse proxies, SSL certificates, and DNS.
- Improve deployment automation and operational reliability.
- Collaborate with developers on deployment strategies and DevOps best practices.

Backend Developer

08/2025 – Present

LegoIO

- Develop REST APIs using FastAPI and Django REST Framework.
- Design PostgreSQL and MongoDB schemas.
- Implement JWT authentication and RBAC.
- Build backend services consumed by React and React Native applications.
- Write API documentation using Swagger and Postman.
- Optimize database queries and backend performance.

Executive ICT (Systems & Network)

06/2025 – 08/2025

NHT Engineering Ltd. (Concern of Pacific Jeans Group)

- Managed Linux and Windows infrastructure supporting 70+ users.
- Maintained 99% service uptime.
- Configured over 150 workstations and peripherals.
- Performed server health monitoring.
- Managed backups and disaster recovery procedures.
- Reduced incident response times by approximately 20%.
- Analyzed system logs and performed daily health checks of critical servers.

Jr. Executive (System & Network)

12/2021 – 05/2025

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Skills

Linux Skills

- Moderate proficiency in Linux system administration (**Ubuntu, Kali, Debian Based Distros**)
- Comfortable with shell scripting, package management, system services, and troubleshooting.

Networking

- CCNA-level concepts, TCP/IP, VPN, HTTP/HTTPS, FTP, SSL/TLS

Containers & Orchestration

- Docker (hands-on), Kubernetes (basic knowledge)

Monitoring

- Basic usage of Grafana, Prometheus (learning stage)

Databases

- MySQL, PostgreSQL (basic admin),sqlite(Flask)

Operating Systems

- Linux
- Windows
- Android

Cloud & Virtualization

- AWS (basic), Oracle Cloud, VirtualBox, VMware

Infrastructure as Code

- Familiar with Ansible and Terraform (learning phase)

Scripting & Programming

- Bash, Python

Tools & Technologies

- Git, vscode, ticketing tools

Projects

Kubernetes Platform Engineering & Application Deployment

Tech: Kubernetes • Rancher • Helm • Docker • Harbour

- Deployed and managed containerized applications across Kubernetes clusters using **Rancher**.
- Built and customized **Helm charts** for repeatable application deployments across development and production environments.
- Managed Kubernetes workloads including Deployments, Services, Ingresses, ConfigMaps, Secrets, and Persistent Storage.
- Supported application deployment, upgrades, rollbacks, and troubleshooting using Helm and Rancher.
- Monitored cluster health and resolved container, networking, and resource allocation issues.

Database Migration & Cloud Infrastructure

Tech: PostgreSQL • MySQL • AWS • Linux

- Planned and executed database migration between environments.
- Performed backup, restore, and data validation.
- Optimized database configuration for application workloads.
- Worked with cloud-hosted database services and connectivity troubleshooting.

AWS Containerized Application Deployment

Tech: AWS ECS • ECR • ALB • CloudWatch • IAM • Docker • VPC

- Containerized a Python/Django application using Docker.
- Built and pushed Docker images to Amazon ECR.

- Deployed containers on Amazon ECS.
- Configured an Application Load Balancer (ALB) for traffic routing.
- Managed networking with Security Groups and VPC.
- Configured IAM roles for secure service access.
- Performed deployment troubleshooting and health check validation.
- Integrated CloudWatch for application monitoring and log analysis.

Infrastructure Monitoring & Alerting

Tech: CloudWatch • Linux • Grafana • Prometheus

- Configured infrastructure health monitoring.
- Investigated application and container logs.
- Performed alert analysis and production troubleshooting.
- Assisted in improving infrastructure reliability.

CI/CD Pipeline Automation (Gitlab/Github)

Tech: GitHub Actions • Docker • Linux • Bash

- Built automated CI/CD workflows for application build and deployment.
- Automated Docker image build and publishing.
- Implemented deployment validation and workflow automation.
- Reduced manual deployment effort through scripting.

DNS Filtering & Linux Infrastructure

Tech: Linux • Docker • Pi-hole • OpenWrt • Cloudflare DNS

- Deployed Pi-hole in Docker for network-wide DNS filtering.
- Integrated with OpenWrt router for centralized DNS management.
- Resolved DNS service conflicts and optimized Linux networking.
- Evaluated secure deployment practices for public cloud infrastructure.

VoIP Server

- Set up an internal VoIP communication system on a local network using open-source tools.
- Reduced communication costs by 50% for over 50 users; enabled VoIP on smartphones.
- **Tools:** Asterisk, Linux, Networking Tools, Bash

License Plate Recognition (ML Project)

- Built a License Plate recognition system with 95% accuracy using Python and OpenCV.
- Processed over 1,000 Bangla license plates under diverse conditions.
- **Demo:** <https://www.youtube.com/watch?v=IfbLxEJ8lMg> ↗
- **Tools:** Python, OpenCV, Linux, Tensorflow, Pandas

Certificates

Google Cloud Skills Boost — Build Infrastructure with Terraform on Google Cloud - Skill Badge (Jul 2026) | The Basics of Google Cloud Compute — Skill Badge (Jul 2026) | Deploy Kubernetes Applications on Google Cloud — Skill Badge (Feb 2026) | Implement DevOps Workflows in Google Cloud — Skill Badge (Feb 2026) | Set Up a Google Cloud Network — Skill Badge (Feb 2026)

AWS Cloud Skills — AWS SimuLearn – Cloud Practitioner Training Badge (Feb 2026) | AWS Educate – Introduction to Cloud 101 Training Badge (Feb 2026)

Data Analysis with Python – FreeCodeCamp [↗](#)

Python for Everybody – Coursera [↗](#)

Foundational C# – Microsoft/FreeCodeCamp [↗](#)

Mikrotik Certification — MikroTik Certified Network Associate (MTCNA) | MikroTik Certified Routing Engineer (MTCRE) | MikroTik Certified Security Engineer (MTCSE)

Education

B.Sc. in Computer Science & Engineering

04/2017 – 04/2021

Port City International University

Diploma in Computer Technology

04/2011 – 12/2016

Chittagong Polytechnic Institute

Languages

- **Bangla:** Native
- **English:** Professional Working Proficiency