

# Noushad Hasan

Associate DevOps, ACE-GCP  
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## Skills Summary

### Programming

Python, YAML, Bash Scripting.

### Webserver

Apache, Nginx,

### Database

MySQL, MSSQL Server, Clickhouse, PostgreSQL and Redis

### DevOps

Git, GitLab, Docker, Kubernetes, GitOps (ArgoCD), Jenkins, Azure DevOps, Ansible, Terraform, SonarQube

### Cloud

AWS (EC2, VPC, S3, AMI, IAM, RDS, DynamoDB, ELB, EKS, Route 53, CloudFront) & GCP, Azure DevOps, Hostinger

### Hypervisor

Proxmox

### Monitoring

Prometheus & Grafana, ELK Stack, Coroot

### Platforms

Windows, Linux (Ubuntu, RedHat, CentOS)

### Soft Skills

Confident | Flexible | Positive | Adaptable | Problem Solver | Team-Oriented | Communicative

### Networking

Subnetting, TCP/IP, DNS, DHCP, network security principles, troubleshooting

## Experiences

Mar 2025 -  
present

### Associate DevOps Engineer

DevOps engineer experienced in CI/CD automation, containerization, Linux deployments, and observability. Skilled in DNS, web server optimization and deploying reliable applications across local and cloud environments.

#### Key Responsibilities & Accomplishments:

- **CI/CD & Automation:** Create Kubernetes clusters and Configure Azure DevOps pipeline for deploying application on kubernetes and release to the endpoint users also performing ingress with TLS. Configured Jenkins pipelines integrated with GitLab and SonarQube for automated code quality checks.
- **Application Deployment:** Containerized and deployed applications (Shopify Applications, ERP and HR solutions and etc) using Docker and Nginx web proxy, increasing deployment efficiency by 35%.
- **Linux & Web Servers:** Built and optimized Linux-based deployments for Node.js, Rust, PHP, .NET and dart applications. Deployed Shopify apps and Employee Monitoring Apps like TrackForce from containerize to orchestration.
- **Virtualization:** Create/manage Virtual machine in Proxmox for local and production development.
- **Database Management:** Managed MSSQL and MySQL databases including backup/restore and recovery. Configured and administered ClickHouse DB, Postgresql and Redis DB.
- **Monitoring & Observability:** Implemented Kibana for API log monitoring, and Prometheus + Grafana for Kubernetes cluster health tracking.
- **Code Quality & Testing:** Set up SonarQube server for static code analysis with default plugin.
- **DNS & Networking:** Configured local DNS setups for internal applications; pointed public IPs to Cloudflare for production/live applications to ensure secure, optimized, and customer-ready delivery.
- **Networking & IT Ops:** Monitored unifi web UI for network infrastructure reliability ensure smooth internet delivery to the end users.
- **Cross-Functional Projects:** Delivered Flykoe (OTA) core-engine (API) and B2B, B2C (frontend) and ManagePanel using Apache as a web proxy with PM2 process manager, achieving 99% deployment success rate and 20% traffic handling improvement.

### Data Entry Specialist, Upazila Land Office, Ministry of Land

March 2022 -  
August 2023

- Managed over **2,000 land records**, ensuring **100% data accuracy** and improving processing speed by **30%** through automation of data entry and reporting workflows.
- Streamlined record verification processes, reducing errors by **15%** and enhancing efficiency.

### Intern, Decon Telecom Solutions Bd Ltd, Gulsan-2, Dhaka

April 2019 -  
August 2019

- Conducted **30+ RF drive tests** for GSM, 3G, and LTE networks, optimizing network performance and providing actionable insights that improved network reliability by **10%**.
- Generated detailed reports used by senior engineers to make operational decisions, contributing to a **15% improvement** in network optimization efforts.

## Technical Projects

### 1. AKIJ Air & Travilo Deployment

- Managed end-to-end DevOps operations for multiple OTA platforms across Development, UAT, and Production environments.
- Designed and maintained Kubernetes infrastructure with scalable and highly available deployments.
- Built automated CI/CD pipelines using Azure DevOps integrated with self-hosted GitLab repositories.
- Implemented Helm-based Kubernetes deployments and streamlined release management workflows.
- Configured NGINX Ingress, TLS/SSL certificates, Load Balancers, and DNS routing for secure external access.
- Improved deployment reliability, environment consistency, and release efficiency through infrastructure automation and standardized workflows.

### 2. TrackForce Deployment & Kubernetes Automation

- Containerized a Rust-based enterprise employee activity monitoring application for cloud-native deployment.
- Designed Kubernetes-based deployment architecture with automated scaling and service management.
- Developed CI/CD pipelines using Azure DevOps for automated build and deployment processes.
- Configured TLS security, ingress routing, and DNS management for secure production access.
- Enhanced deployment consistency and operational reliability through infrastructure automation and Kubernetes orchestration.

### 3. End-to-End CI/CD Pipeline with Jenkins, Sonarqube & Kubernetes

- Pulled source code from the in-house GitLab server.
- Performed static code analysis with SonarQube.
- Built and containerized applications into Docker images.
- Pushed images to Docker Hub.
- Deployed containers to Kubernetes via Jenkins
- Enabled GitLab Webhooks for automatic builds on each push.
- Configured MetalLB load balancer and Nginx Ingress with TLS for secure in Kubernetes cluster, scalable service delivery and traffic management.

**Impact:** Reduced deployment time, minimized manual errors, and established a scalable, production-ready DevOps workflow.

## Educations

2014 - 2019

Bachelor of Science in **Information & Communications Engineering**, *East West University Dhaka, Bangladesh*  
**CGPA: 3.16**

## Certifications and Trainings

- *AWS & RedHat Linux Training Certification* | **BITM** | **Completed: 2019**
- *Linux System Administration* | **Udemy** | **2023**
- *Ansible Training for DevOps* | **2024**
- *DevOps (Kubernetes, Docker, Helm, Terraform, Jenkins)* | **KodeKloud** | **2024**
- *Certified Kubernetes Administrator (CKA) With Practice Tests* | **KodeKloud** | **2025**
- *Kubernetes Networking Deep Dive* | **KodeKloud** | **2025** |
- *Certified Associate Cloud Engineer (ACE) From Google Cloud* | **2026**

## References

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