



Abu Hanifa

📍 Atlanta, Georgia
📞 +1 (404) 273-4924
✉️ a8u.han1fa@gmail.com

Profiles

⌚ [a8uhnf](https://www.testrail.com/)

👤 [abuhanifa](https://www.linkedin.com/in/abuhanifa)

💡 [a8uhnf](https://www.github.com/a8uhnf)

Skills

Cloud Provider

AWS, GCP, DigitalOcean

IaC

terraform, ansible

Logging & Monitoring

ELK, Loki, Grafana, Prometheus

Container Orchestration Tool

Kubernetes, Docker, Helm

Scripting & Programming

Go, Bash

Centralise Gateway

kong, traefik

Ingress Controller

Traefik, Nginx, Voyager

Networking

TCP/IP, DNS, HTTP, gRPC, firewalls, load balancers

Security

IPSec Site-to-Site tunneling

Proxy

Envoy, Nginx, HaProxy

RDBMS

MySQL, PostgreSQL

Pub/Sub

Google Pub/Sub, Kafka

Summary

With nearly 10 years of experience as a Software Engineer, SRE, and DevOps professional, I specialize in building scalable, reliable systems and automating operations. I'm passionate about enforcing strong reliability practices and optimizing cloud infrastructure across platforms like AWS and GCP.

Experience

Testrail

Remote

Lead DevOps Engineer

🔗 <https://www.testrail.com/>

- Leading the DevOps team to build and maintain the infrastructure for Testrail's SaaS platform
- Implementing CI/CD pipelines to automate the deployment process
- Monitoring and optimizing system performance and reliability
- Collaborating with cross-functional teams to define and implement best practices
- Ensuring security and compliance across the infrastructure
- Developing and maintaining infrastructure as code using Terraform

Techetronventures Ltd

Dhaka, Bangladesh

Tech Lead

🔗 <https://techetronventures.com/>

- Build a scalable Trek trading platform
- Design and implement the complete infrastructure
- Create a real-time notification system with authorization
- Integrate multiple communication channels (SMS, email, in-app notifications)
- Implement asynchronous data processing and notifications using Kafka

Pathao Ltd

Dhaka, Bangladesh

Senior Site Reliability Engineer

🔗 <https://pathao.com/>

- Contributed to the successful transition from a monolithic architecture to a microservices-based system
- Enhanced platform reliability and security
- Implemented standardized metrics and logging across all services
- Developed systematic debugging methodology

Appscode Ltd

Nov, 2015 - Apr, 2018

Dhak, Bangladesh

🔗 <https://appscode.com/>

Education

Mawlana Bhashani Science & Technology University
Computer Science
3.10

2011-2015

Bachelor of Science
✉ <https://mbstu.ac.bd/>

Awards

1st Runner up in inter vesity programming contest

Competed with 30+ universities and secured 1st runner up position.

Pathao Hackathon 1st Runner up

Created a proof of concept for real-time communication using gRPC and pub/sub for a distribution system like Pathao. We wanted to solve issues around how various verticals from Pathao could communicate with end users in real time.

Projects

Project Terraform | Pathao Ltd

- Migrate existing Pathao infrastructure to IaC
- Implement changes through CI/CD pipeline
- Provision all instances as modules

terraform, gitlab-ci, terraform-module

Centralise API gateway | Pathao Ltd

- Use Kong as centralized API gateway
- Introduce Lua plugins to add necessary logic smoothly
- Centralize authentication termination and caching

Lua, kong, api-gateway, centralise-auth-termination

Centralise Logging & monitoring | Pathao Ltd

- Develop a common library for log and metrics collection and database storage
- Centralize metrics monitoring in Grafana dashboard
- Implement Loki/ELF integration

Go, Loki, Prometheus, Grafana

Application Standardisation | Pathao Ltd

- Implement CI/CD across the entire Pathao platform
- Integrate security measures including SAST and DAST
- Centralize configuration management

gitlab-ci, ci-cd, consul

Realtime bi-directional communication | Techetronventures Ltd

- Implement Centrifugo for real-time communication across all clients
- Add authentication proxy for secure access control
- Utilize Redis for scalability to handle high data loads
- Ensure all communications are encrypted end-to-end

centrifugo, gRPC, realtime-communication

Admin Portal | Techetronventures Ltd

- Implement SSO across the entire admin portal
- Set up LDAP for access control
- Design and implement a comprehensive admin portal for the trek trading platform

sso, gRPC, Go, REST

Kong Centralise API gateway | Techetronventures Ltd

- Use Go plugins instead of Lua
- Centralize authentication termination
- Expose necessary metrics for Prometheus and Grafana

Go, Kong, Prometheus, grafana