Abu Hanifa

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○ Skills ○

Cloud Provider
AWS, GCP, DigitalOcean

IaC
terraform, ansible

Logging & Monitoring
ELK, Loki, Grafana, Prometheus

Container Orchrestration 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

○ Awards ○

1st Runner up in inter versity 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.

Profiles

- a8uhnf
- abuhanifa
- a8uhnf

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
Lead DevOps Engineer
Remote

- 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

🔗 https://www.testrail.com/

Techetronventures Ltd
Tech Lead
Dhaka, Bangladesh

- 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

🔗 https://techetronventures.com/

Pathao Ltd
Senior Site Reliability Engineer
Dhaka, Bangladesh

- 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

🔗 https://pathao.com/

Appscode Ltd
Dhak, Bangladesh
Nov, 2015 - Apr, 2018

🔗 https://appscode.com/

Education

Mawlana Bhashani Science & Technology University
Computer Science
3.10
Bachelor of Science
2011-2015

🔗 https://mbstu.ac.bd/

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