ABU HANIFA

Software Engineer

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📍 Dhaka, Bangladesh

EXPERIENCE

Software Engineer
Pathao Ltd
📅 2018 - Ongoing   📍 Dhaka, Bangladesh

Pathao is Bangladesh's fastest growing and largest super ride hailing provider. It also provides service for Food, Parcel, Payment etc. With 10M+ daily rides, it aims to become the super app for Bangladesh.
Used: Golang, kubernetes, MySQL, redis, RabbitMQ, GCP, AWS, Prometheus, Grafana, EFK

- Design and implement microservice to provide support to 10M+ customer
- Maintain secure, scalable cloud infrastructure in cost effective way
- Reduced 90% of the additional cloud cost from Month to Month by application memory leak, measure the actual requirement of a service by doing load test etc.
- Introduced monitoring and logging pipeline with 99.99% availability.
- Reduce Production outages by 70% by don't allow applications to create/use unnecessary DB connection, deploy application in standard way, setup efficient alert to notify accountable persons, remove single point of failure

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Software Engineer
AppsCode Ltd.
📅 2015 - 2018   📍 Dhaka, Bangladesh

AppsCode's mission is to Accelerate the transition to Containers by building a Kubernetes-native Platform.
Used: Golang, kubernetes, JavaScript, PostgreSQL, GCP

- Build a Lightweight kubernetes package manager to replace internal function of helm
- gRPC based multitenant API Server
- Build kubernetes daemon controller to improve monitoring, functionality, garbage collector etc.

PUBLICATIONS

Real Time Traffic Sign Detection and Recognition using Adaptive Neuro Fuzzy Inference System
Communications on Applied Electronics -CAE
📅 2015
🔗 http://www.caeaccess.org/archives/volume3/number2/436-2015651877

PHILOSOPHY

Keep Learning

EDUCATION

BSc.(Engg.) Information & Communication Technology

GPA
3.10 / 4.0

Mawlana Bhashani Science & Technology University
📅 2011 - 2015

ACHIEVEMENTS

💲 **Minimize Cloud Cost**
After joining **Pathao Ltd,** my team is able to minimize the cloud cost to 1/10th.

☁ **Minimize Outage**
My team is able to minimize daily outage almost zero in Pathao. Which was almost 1-2 hours daily

💎 **Runners up in national programming contest**
1st Runner up in RUET national programming contest

PASSIONS

➕ **Building Various IOT Based Project**

🏃 **Long Distance Running**

💗 **Algorithom**

SKILLS

Golang Nodejs MySQL C++ Bash

Prometheus Grafana RabbitMQ Redis Gitlab CI/CD

gRPC envoy terraform kong

PROJECTS

Project Terraform
📅 2018 📍 Pathao Ltd

Infrastructure Standardization
- Standardize CI/CD for every applications
- Standardize how to deploy more efficiently and quickly. Also rollback, if something went wrong.
- Build various library for monitoring and logging

Warden
📅 2019 📍 Pathao Ltd

Security Tool
- Move our internal artifactories from public web, accessible for internal peoples
- Users will be authenticated by google SSO using their official mail

Monolith to Micro Service Transition
📅 2018 📍 Pathao Ltd

Helped to transit from monolith to micro service eco-system
- Helped to established service mesh with envoy proxy
- Minimize daily outage to almost zero
- After moved to micro-service, helped to debug the failing point and resolve the issue
- Enforce standard way to deploy, monitoring, logging, CI/CD

Pathao TOP UP
📅 2019 📍 Pathao Ltd

Mobile Bill Payment System
- Actively involve in design and implementing the whole project. Integrate telco APIs smoothly
- Established site-to-site VPN with telcos to secure communication

Kubepack
📅 2017 📍 Appscode Ltd

Kubernetes Dependency Manager
- Simplified version of helm
- More native kubernetes way to resolve dependency, used yaml and go template
- Modified Golang Dep engine to resolve dependency

VOLUNTEERING

Competitive Programming Trainer
Mawlana Bhashani Science & Technology University
📅 2015

Used to train about competitive programming, algorithms during my university days

FIND ME ONLINE