

ABDULLAH AL SHAAD

Uttara, Dhaka, Bangladesh

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Technical Skills

Languages: Golang, Swift, Objective-C, C++, C,

Tech and Tools: Kubernetes, Redis, Docker, ZooKeeper, GKE, AKS, Prometheus, Cert-Manager, Git, Bash, FluxCD, Helm, Ginkgo

Experience

AppsCode Inc. [↗](#)

November 2021 – Present

Software Engineer

Dhaka, Bangladesh

- Designed and Automated **GKE, Azure and AWS Managed Kubernetes cluster** creation using **Cluster API**.
- Built a Kubernetes Operator that uses **Rancher Machine API** to create VMs in GCP, Azure, and AWS.
- Designed and Implemented a **Kubernetes Custom Controller** that helps users **run and manage production-grade Redis Cluster(Sharded Mode) on Kubernetes**. The operator automates failover and ensures 99.9% high availability. [↗](#)
- Integrated **Prometheus monitoring** and designed **Grafana dashboards** for KubeVault [↗](#)
- Enhanced database controllers capability by implementing features like **TLS Reconfiguration, Vertical Scaling, Restart, Volume Expansion, Version Upgrade, and Horizontal Scaling** in KubeDB managed database clusters using Kubernetes custom resource for day 2 lifecycle management. [↗](#)
- Contributed in reaching end users and getting feedbacks on newly added features through **live webinars** [↗](#) and **technical blogs** [↗](#)

Kite Games Studio

August 2020 – October 2021

Jr. Software Engineer

Dhaka, Bangladesh

- Designed and Implemented auto face detection and selecting a specific area from an image. [↗](#)
- Built AI effect feature. Used Open Source **ML Model** to detect human and used **OpenGL** to draw on Video frames. [↗](#)

Open Source Contributions

- **kubernetes-sigs/cluster-api-provider-gcp**, Added gcloud auth in user kubeconfig secret [↗](#)
- **kubernetes-sigs/cluster-api-provider-gcp**, Fixed a bug in clusterctl move operation [↗](#)
- **rancher/machine**, Fixed User-data pass in GCP Virtual Machine [↗](#)

Education

University of Chittagong

January 2016 - December 2019

Bachelor of Science in Computer Science and Engineering

CGPA : 3.30/4.00

Programming Contest Achievements

- Master on **Codeforces** with Maximum Rating of 2112 Handle : Shaad7 [↗](#)
Top 3% worldwide and Top 1% in Bangladesh
- 1079th Position, **Google Code Jam 2020** Handle: Shaad7
Top 1.12% considering total registrant

Projects

Bookstore Operator [↗](#) | *Docker, Kubernetes, KubeBuilder, CRDs, Golang*

March 2021

- Runs and Manages a HTTP Server in Kubernetes
- Handles HTTP Request using Kubernetes Resources

Bookstore API Server [↗](#) | *Golang, API Server*

January 2021

- Simple API server can be used as a backend of an e-bookstore.
- Can perform CRUD operations using REST API