



Dipta Das

Software Engineer

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Passionate about solving problems, designing prototypes and implementing from scratch.

WORK EXPERIENCE

Software Engineer AppCode Inc.

04/2017 – Present

Dhaka, Bangladesh

Uses: Golang, Kubernetes, Docker, gRPC, HAProxy

Responsibilities

- Developing micro-services and custom-resource controllers for Kubernetes (K8s) clusters.
- K8s cluster provisioning in AWS, GCP, Azure, etc.
- Writing gRPC based APIs.
- Writing Dockerfiles, Helm charts, and K8s artifacts.
- Load-balancing (L4 & L7) using HAProxy.
- Monitoring and Autoscaling using Prometheus metrics, visualizing using Grafana.

TOP OPEN SOURCE PROJECTS

Voyager

- Secure HAProxy Ingress Controller for Kubernetes.

Stash

- Backups Kubernetes Volumes.

Restic

- Fast, secure, efficient backup program.

KubeCI

- Kubernetes Native Workflow Engine.

Pharmer

- Kubernetes Cluster Manager for Kubeadm.

Kubed

- A Kubernetes Cluster Daemon.

EDUCATION

B.Sc. in Computer Science and Engineering Chittagong University of Engineering & Technology

05/2012 – 04/2017

CGPA: 3.59/4.00

Thesis

- Lattice-based Cryptography against post-quantum attacks.
- Optimizing the BKZ lattice reduction algorithm to solve the Shortest Vector Problem (SVP).

SKILLS

Golang

C++

Java

Kubernetes

Docker

AWS/GCP/Azure

gRPC

HAProxy

MySQL

Git

Android

Algorithms

Data Structures

PROUD OF

Competitive Programming

- Participated in more than 50 onsite/online programming contests.
- Solved about 1000 problems in several online judges.
- Problem setter and judge of several programming contests.
- Divisional Champion of ACM ICPC Dhaka Regional for two consecutive times (2014 & 2015).

Open Source Contributions

Contributed to lot of open source repositories, fixed issues and implemented new features.

Solving Shortest Vector Problem

Achieved several places on the Hall of Fame of the lattice-challenge site (best dimension: 94).

Teaching

Worked as a competitive programming trainer at East Delta University, Bangladesh.

CERTIFICATES

Advanced Java & J2EE

Conducted by international trainers of Ernst & Young (EY) and certified by George Washington University, USA.

Android Application Development

Organized and certified by ministry of ICT, Bangladesh.

ORGANIZATIONS

CUET COMPUTER CLUB

Served as vice-president, organized regular workshops and programming contests.

ABILITIES

Teamwork



Organizer



Fast Learner

