Shudipta Sharma

Software Engineer

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I am a full-time software engineer who is hungry to learn, loves solving problems, playing with new techs, and getting things done. I also love doing math, drawing, playing games, and traveling around.

SKILLS

★ **Go, Python (familiar)**
★ **Docker, Kubernetes, K8s Controller, Helm**
★ **Redis Cluster, MySQL Group Replication, Galera Cluster, Percona XtraDB Cluster, ProxySQL,Postgres,Elasticsearch,MongoDB**
★ **RESTful API, gRPC**
★ **RabbitMQ, ETL**
★ **GCP, Concourse CI, GitHub action, GitlabCI**
★ **Git, Shell-script**
★ **Programming, Algorithms, Data-structure**
★ **JIRA, SCRUM**
★ **Problem Solving   7/10**
★ **Collaboration   8/10**
★ **Critical Thinking 7/10**

AWARDS

★ **7th**-ACM ICPC Dhaka Regional 2016
★ **10th**-SUB IUPC 2017
★ **10th**-SUST IUPC 2016
★ **11th**-CUET NCPC 2017
★ **14th**-UAP NCPC 2016
★ **15th**-DIU NCPC 2014

EDUCATION

Chittagong University of Engineering & Technology(CUET), Chittagong —

BSc. in Computer Science & Engineering

GPA 3.28 (out of 4.0)   MAR 2013 - DEC 2017

PUBLICATION

Journal Article — *link*

Sharma S., Hossen M.K., Islam M., Chowdhury M., Azad S. and Hoque M., 2018. **AUTOMATIC QUESTION AND ANSWER GENERATION FROM BENGALI AND ENGLISH TEXTS**. *Computer Science & Telecommunications*, 54(2).

UNDERGRADUATE PROJECTS

Question-Answering System QA system to generate que. & ans. (short que., true/false, Fill in the blanks) — *Java | Stanford-NLP*

EXPERIENCES

Pathao Ltd., Dhaka — *Software Engineer*   FEB 2020 - PRESENT

★ Leading member of the Food team
★ Rewriting different services: dispatcher-v2, hype-v2, cms-v2, oms, elasticsearch syncer
★ Developed slotting service based on zone-subzone concept for foodman
★ Continuous production requirements support
★ System monitor and fire-drill handling
★ Participate in team planning and decision
★ Develop features, write tests, deploy through CI/CD
★ Cooperate with Product team, App team, Web team, Operations team

AppsCode Inc., Dhaka — *Software Engineer*   DEC 2017 - JAN 2020

★ Implemented Open Service Broker (OSB) API for Kubernetes
★ Added HA supports for Redis, MySQL, Percona-XtraDB operators
★ Added ProxySQL to load balance traffic to the backend MySQL servers
★ Worked on a plugin for Stash to backup & restore PerconaXtraDB
★ Worked on a Docker image scanner to find vulnerabilities in the images
★ Worked with Docker, K8s controller, gRPC, RESTful API, etc.
★ Worked on cloud-centric microservice infrastructure, user support
★ Design, develop, and support new features for service offerings
★ Worked on several open-source projects

AppsCode Inc., Dhaka — *Internship(2 weeks)*   NOV 2016

★ Learned Git, Backbone.js and built a simple library app.

Computer Club, CUET — *Trainer & Problem-Setter* MAY 2018 - PRESENT

★ Trained in algorithms & data structures for competitive programming
★ Carrying role of an author of problem-set for the programming contest

PROJECTS

MySQL

An operator to create, configure, & manage MySQL in Kubernetes

Percona-XtraDB

An operator to create, configure, and manage Percona-XtraDB in Kubernetes

ProxySQL

An operator to manage high-performance MySQL proxy in Kubernetes

Redis

An operator to create, configure, and manage Redis in Kubernetes

Stash — *percona-xtradb & mysql*

Percona-XtraDB & MySQL backup and restore plugin for Stash

AppsCode Service Broker

Open Service Broker for installing AppsCode cloud services in Kubernetes