ABDULLAH AL MARUF
Software Engineer

Passionate software engineer with 2 years of working experience developing Kubernetes tools in GO. Acted as AppsCode's KubeDB project head for more than a year. Love to participate in programming contests. An enthusiastic team player.

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WORK EXPERIENCE

Software Engineer
AppsCode Ltd. ⬀

May, 2017 – Present   *Dhaka, Bangladesh*

Subsidiary company of AppsCode Inc. USA. An Integrated platform for collaborative coding, testing & deploying containerized apps.

- Worked on Kubernetes client-GO to build third party containerized tools.
- Worked on KubeDB tool. Conducted Bi-Weekly KubeDB Community meetings regularly. Acted as KubeDB project head for more than a year. Got involved in other projects too.
- Worked on Pixel Tracking [web beacon], different APIs of mainstream cloud providers, etc.
- Created and used Kubernetes cluster on all the mainstream cloud providers, like, aws, gcs, azure, digitalocean etc. Also, experienced many Kubernetes tools.
- Worked with gRPC, Phabricator, Prometheus etc.

Intern
AppsCode Ltd.

1st January, 2016 – 15th January, 2016   *Dhaka, Bangladesh*

- 2 weeks long internship program.
- Implemented an Email verification tool in Java.
- Used Elasticsearch for data store purpose.

PROJECTS

KubeDB ⬀
- A tool to automate database deploy on **Kubernetes** using **CRD**. It also takes scheduled backup of databases.
- Added **MongoDB**, **MySQL**, **Redis** and **Memcached** support to KubeDB.
- Added MongoDB clustering system. Also, worked on PostgreSQL and Elasticsearch clustering.
- Worked with **prometheus** exporter to export database metrics.

Appscode/Analytics ⬀
- Worked with docker-hub APIs to collect analytic data and stored them in Google sheets using GO client.
- Used pixel tracking [aka, web beacon] to event each view of GitHub or other web pages in real time.

3D Racing Game ⬀
- Final year thesis & project.
- Developed for both PC and Android.
- Tools: Unity 5 Game Engine, Android SDK, C#.

Academic Projects
- Department of Student Welfare (DSW) Management System using C# and MySQL. ⬀
- Library Management System using C# and Microsoft SQL Server.
- Scientific Calculator using Java swing. ⬀
- Automatic Email Verification using Java as Internship Project.
- Data encryption project in Java. ⬀

TECHNICAL SKILLS

GO   C   C++   Java   SQL   Bash   Git   Kubernetes   Docker   AWS   GCP   Azure   MySQL   PostgreSQL   Prometheus   gRPC

EDUCATION

BSc. in Computer Science & Engineering
Chittagong University of Engineering & Technology

Session: 2011-12   *Chittagong, Bangladesh*

ACHIEVEMENTS

Competitive Programming (June, 2012 – Present)
- Solved overall **900+** problems on different Online Judges. ⬀
- Participated many onsite programming contests with team name **CUET-One_1**.
- Became divisional champion in 2 **ICPC Dhaka Regional** (ICPC-2014 & ICPC-2015) with varsity rank **7th** and **8th**
- Got **6th** position at national level IUPC-2016 at SUB.
- Got **1st** position at regional IUPC-2015 at USTC and also performed well in other national and divisional contests.

Open Source Contribution (May, 2017 – Present)
- Contributed on open source projects including **Kubernetes**, *KubeDB*, *appscode/osm*, *appscode/kutil*, *appscode/analytics* etc.

Extra Curriculum
- Former **President** of **CUET Computer Club**.
- Former member of CUET Debating Society.
- Organizer of **CUET CSE FEST 2015** and **CUET NCPC 2017**.
- Provided problem set in several IUPC.
- Attended many self-developing training courses.

STRENGTHS

Team Work ● ● ● ● ●
Optimist ● ● ● ● ●
Communication ● ● ● ● ○
Problem Solving ● ● ● ● ○
Self Learning ● ● ● ● ●
Tech Savvy ● ● ● ● ○

INTERESTS & HOBBIES

Competitive Programming   History   Traveling

Gaming   Photography