Md. Emruz Hossain

Professional Cloud Developer

📍 Dhaka, Bangladesh

Tech Skills

Languages
Go, Python, Bash

Platforms
Kubernetes, Docker

Cloud
AWS, GCP, Azure, Linode

Monitoring
Prometheus, Grafana

Database
MongoDB, PostgreSQL

Others
Terraform

Soft Skills

- Fluent in English speaking
- Able to lead a team
- Experienced in maintaining OSS project
- Capable of coordinating with multiple teams
- Can communicate with users and collect their requirements
- Have On-call Experience

Education

Mar 2013 - Oct 2017

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

Contact

- 📞 +8801770582121
- ✉️ hossainemruz@gmail.com
- 🌐 hossainemruz.github.io
- ⌨ github.com/hossainemruz
- 🐦 @Emruz_Hossain
- in hossainemruz
- ⌨ emruz-hossain

Summary

Software Engineer with more than 6 years of working experience. Building Vector Database as Service on top of Kubernetes. Capable of architecting complex products for the distributed system. Deep expertise with Kubernetes and Docker.

Work experience

Cloud Platform Engineer
March 2023 - Present

at Qdrant Solutions GmbH

- Main developer behind Qdrant Operator that enables deploying Qdrant vector database on Kubernetes with ease.
- Re-architected Qdrant operator to support scaling, updating, re-configuring operations with user focused UX.
- Added monitoring support to Qdrant operator.
- Main developer behind Qdrant Cloud Agent that enables Hybrid Cloud Solutions where user can bring their own Kubernetes cluster into Qdrant Cloud Platform.

Lead Software Engineer
Jan 2021 - March 2023

at AppsCode Inc.

- Leaded Stash team.
- Re-architected Stash to make it extensible via plugins that made more than 10's different databases and apps backup possible.
- Mentored KubeDB team.
- Re-architected cluster import flow for ByteBuilders and added dynamic feature controller.
- Designed UX for ByteBuilders database management console. It simplifies database management in Kubernetes.
- Coordinated with hundreds of users to understand their requirements and improved product accordingly.

Software Engineer
Nov 2017 - Dec 2020

at AppsCode Inc.

- Introduced auto-backup in Stash that enabled support for pre-configured policy-based backup.
- Added monitoring support in Stash. It enables alerting based on backup and restore metrics.
- Integrated Kubernetes native CSI VolumeSnapshot support in Stash.
- Added scheduled backup support in KubeDB managed databases. It makes them prepared for a disaster scenario.
- Implemented support for customizing database configurations using custom config file that simplified managing database configurations.
- Fixed few critical bugs in MySQL, PostgreSQL, and Elasticsearch operator.
- Represented Stash in various online conference.
- Improved existing documentation and added new docs. It has improved user experiences.
- Supported users in Slack, Email, and GitHub issues to solve their issues and collect feedback.