

# Abu Md Sadat Hossain

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Specialties: Javascript, React, React-Native, Golang, Docker  
DevOps Engineer  
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## Experience

### DevOps Engineer:ImagineRadio

At ImagineRadio we associate music with moments and moments with emotions - the emotions that define us. So, we have tried to produce playlists for every moment to connect to every emotion on the spectrum. To ensure that, Our technical Stack comprised of Django-Rest-Framework(DRF) and React-Native(RN) for cross-platform app delivery. As a startup, My journey with IR mostly has been delivery oriented and feature centric around these 3 key criteria:

- React Native
  - Integrated and Maintained couple of React Native community libraries like React Native Track Player, OneSignal, Sentry, admob, firebase etc
  - Implemented Segmented Audio/Video consumption with HLS
  - Fixed some of the major bug issues with React Native Track Player for iOS
  - Implemented IP-based geo restriction, Client-Side Failover and Some core business logic.
- ReactJS
  - Developed web front-end for ImagineRadio-WEB
  - Implemented CMS integration identical to App backend.
  - Also Implemented Segmented Audio/Video consumption with HLS
  - Implemented IP-based geo restriction and Some core business logic.
- Operations
  - Implemented Let's Encrypt for enabling HTTPS.
  - Implemented Content-Serving-Policy for Segmented audio/video data with HLS
  - Deploy and Maintain ImagineRadio-WEB

### Commit-Timeline

Commit-Timeline Provides a simple insight of my commit-data for different projects here at ImagineRadio

- ImagineRadio(<https://sadathossain.github.io/commit-timeline/imagineradio>)

- ImagineRadio-Web(<https://sadathossain.github.io/commit-timeline/imagineradio-web>)

### **alpha:Cloud3 Solution**

At Cloud3 we develop Modern Cloud Native Application. We also involve in implementing Energy efficient hybrid infra-structure solution for customer's on premise :

- Implemented a Wireless Internet Service Provider (WISP) for our client at Homna Cable TV Network

### **Developer and System Admin (Contractor)**

For our IVR, Call Center and CRM for Sanofi Bangladesh Limited Patient Support Program Dhaka, my job was to deliver a CRM(Customer relationship management) for better patient management.

- Developed an API server to communicate with Patient Database with Python and PostgreSQL

### **Senior Administrative Officer:Delta Life Insurance Dhaka**

Delta Life Insurance is the largest AAA rated Insurance Company of Bangladesh

- Developed the official web front for the company.

### **Education**

**2016-2018 MSc, Information Technology;** Institute of Information Technology Dhaka University (Dhaka)

*Thesis title: 12 Factor Note Application with Micro service Architecture*

**2006-2010 BSc, Electronics & Communication Engineering;** Khulna University Khulna

*Minor: Networking*

**2003-2005 HSC, Higher Secondary Certificate;** Notre Dame College Dhaka

*Major: Science*

**2003 SSC, Secondary School Certificate;** St. Gregory's High School Dhaka

*Major: Science*

### **Technical Experience**

**Open Source Contribution** I am a contributing member of open source projects like Kubernetes, Cloud Native Computing Foundation

- I have been granted as attendee for KubeCon 2016, Amsterdam, organized by Cloud Native Computing Foundation, with the scholarship provided by Linux Foundation.

**Certification** These are the official Certification I have achieved

- TestDome Python
- Red Hat Certified Server Administrator
- Solar Photo Voltaic Energy Technology

**Greenfield Project** These projects are taken as my Greenfield projects to demonstrate and explore different technologies

- 12 Factor Note application with Micro Service Architecture MITnotes

**Programming Languages Golang** My first choice of language is Golang which is a compiled, statically typed language in the tradition of Algol and C. I started with Golang in 2016 with 1.6

**Python** I started with Python in the late 2015 through Django. Later I have been introduced to Flask, Both of them quickly became my choice of framework for web development.

**Elixir** is a functional, concurrent, general-purpose programming language that runs on the Erlang virtual machine. I have been introduced to in the late 2016 with Phoenix. I am still learning it as my first functional language.

Basic knowledge of **C++**, **Java**, **Javascript**, **Elm**

## Activities and Interests

**Sports** Cricket, Lawn Tennis and Football

**Hobbies** Backpacking in Australia, Music and Drawing

**Activities** I was a active member of NDSC. Won couple of prizes on campus fair.

## Other

- Human Languages:
  - Bangla (native speaker)
  - English