

Abu Md Sadat Hossain

Specialties: Javascript, ReactJS, NodeJS, React-Native
Aspirations: Golang, K8S, IaaS, Distributed Systems
Software Engineer
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Experience

Senior Software Engineer:Strativ AB

Strativ AB provides tailored IT solutions which strengthens the competitiveness of its' clients such as Docty AB, which is one of the leading healthcare provider in Sweden. My experience with Strativ evolves around 4 of the major services offered by Docty:

- Docty
 - Development and maintenance of the Docty app built with React Native, which helps to track patient records.
- Dermly
 - Development and maintenance of the Dermly app built with React Native, which helps nurses to diagnosis the patient with potential skin cancer threat.
- Kroppscheckerna
 - Development and maintenance of the Kroppscheckerna app built with React Native, which helps nurses to diagnosis the patient with potential acne/rosacea threat.
- Vaccina
 - Development and maintenance of the Vaccina web front-end built with ReactJS, which provides vaccinations against covid-19, influenza, pneumococci, TBE, chickenpox, hepatitis and shingles at 65 locations in Sweden.
- Operations
 - Implemented fastlane to automate the iOS deployment.
 - Implemented Private distribution with iOS via redemption code.

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

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 As a contributing member of Kubernetes, Linux Foundation had granted me a scholarship for attending KubeCon 2016, Amsterdam, organized by Cloud Native Computing Foundation.

Certifications :

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

Other 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