

# Sk. Kamruzzaman

## Work Experience

### CommLink Info Tech Ltd.(Sept 2017 -)

<https://www.commlinkinfotech.com/>

- Network management software
  - Use *google Map api* with *flux architecture*.
  - Implement *TMF814V3.2* using *Corba*.
  - Backend development(caching,api) in *Java*.
- System on Chip(SoC)
  - Project management.
  - Build system using *ruby* and *rake*.
  - Use *C* testing framework *unity*.
  - Embedded large application software(*C* language) debug.
  - *SoC* boot using *U-boot* and *linux*.
  - *SoC* h/w pin configuration and connection check.
  - Documentation.
  - Android app to upload application software to *SoC*.

### mPower Social Enterprises Ltd.(Feb 2017 - Aug 2017)

<http://www.mpower-social.com/>

- Develop OpenSRP(an open source project) in *java spring*

### Questtag Inc.(Jan 2014 - Nov 2016)

<http://www.questtag.com>

- Develop REST API using *java* and *play framework*.
- Implement front end client *jquery*.
- End-to-End Testing and Quality Assurance.
- Create Documentation for both public and internal use.

## Official Projects

### OpenSrp

<http://smartregister.org/>

- Unit and Integration tests.(<https://github.com/OpenSRP/opensrp-server/commits/path?author=Bitaron>)
- work on MIS-1 report.(<https://github.com/OpenSRP/opensrp-server/commits/bd-family-planning?author=Bitaron>)
- Docker Integration.(<https://github.com/OpenSRP/docker-builds/tree/docker-postgresql>)

### Questtag Delivery Solution

<https://dashboard.questtag.com>

- QT dashboard features.(<http://www.questtag.com/features/>)

### Corba architecture

<https://git.io/Jeray>

- *Corba* library usage example.

### Embedded application test

<https://git.io/JeraH>

- *C* test library(*Cppu*) usage example.

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## Principles

Clean Code.  
Reliable and Reproducible Build System.  
Feedback loop.  
Self testing Code base.  
Separation of concerns.  
Automate what you can.  
Document everything.

## Education

2015 – **Bachelor of Science**

Computer Science and Engineering

Bangladesh University of Engineering and Technology

CGPA: 3.00/4

## Language Skill

Intermediate java, javascript, PHP, Shell, SQL

Basic C family of languages, L<sup>A</sup>T<sub>E</sub>X, HTML & css

## Tools

Intermediate Maven, Play, Node.js, React.js, Flux, jquery.  
Android, Gradle, Retrofit

Basic Angular.js, Laravel, Tomcat, AWS.

## Personal Projects

### Build Systems

[https://git.io/v15lc\(mvn\)](https://git.io/v15lc(mvn)), [https://git.io/v15lW\(sbt\)](https://git.io/v15lW(sbt))  
[https://git.io/v15l4\(js\)](https://git.io/v15l4(js))

- Use of **maven** with **JAX-RX** & **JPA**.
- Use of **sbt** with **Play** & **Ebean**.
- Build system using **node** and **jake**

### Weather Application

<https://git.io/v15lR>

- Display temperature and current local time based on city.
- Use of **react.js** and **flux** architecture.
- Testing **flux** using **jasmine**.

### Android Applications

<https://bit.ly/2Kkv8Z6>

- Turn mobile silent based on predefined time and **geofence**.
- Use of **gradle**.