

# S. M. Faisal Rahman

## Software Engineer

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## Summary

Aspiring software engineer offering 2+ years of professional experience building *mobile, web and embedded system* softwares. Adept at working effectively to achieve goals both as a cross-functional team member and individual contributor with a nag for scale, performance and architectural elegance since conception till release. Wish to pursue a career towards architecting large scale distributed systems.

## Job experience

### Software Engineer

April 2018 - Now

#### Samsung R&D Institute Bangladesh (SRBD)

- **Social media app - iOS (Swift):** Achieved objective with about half the time to spare with ~30% contribution to the total codebase.
- **Artecture (drawing app) - Android (Java):** Sustained a rating 4.3 with 1M+ users.
- Achieved **SWC Professional Certificate**: 2nd most prestigious programming competency certification inside Samsung globally.
- Awarded **Icon Engineer Certificate**: Recognition of outstanding contribution to the company.

### Remote Software Engineer

November 2017 - April 2018

#### Far-East IT Solutions Limited

- **Flight booking system - Laravel backend:** Designed & implemented REST API backend following MVC design pattern on top of MySQL database. (Released 100% solo)
- **Flight booking system - ReactJS admin panel:** Overseen UX & UI design, implemented search, filter and integrated payment gateway, SMS and email APIs. (Released & coded 50%)
- **Flight booking system - ReactJS user site:** Overseen UX & UI design, implemented user verification (SMS/email), landing page. (Released & handled fixes 10%)

### Freelance Software Engineer

January 2016 - July 2018

#### Full stack web + mobile developer

- Freelancer - **ReactJS, NodeJS, PHP, iOS**: Developed and deployed 4 projects (3 web + 1 iOS)
- MIST Robotics Club - **PHP, JQuery**: Developed, deployed and maintained Robotics club event management system.

### Software Engineering Intern

December 2016 - January 2017

#### Solution Art Ltd

- **Bangladesh Coast Guard eDocument management system - PHP**: Worked with client to collect requirements, modeled the system, designed 100% of UX flow and data model.

## Education

### Bachelor of science, Computer Science and Engineering

2014 - 2018

#### Military Institute of Science and Technology, Dhaka

- **Club affiliations**: MIST Robotics Club, MIST Computer Club; *single handedly automated event management and registration payment tracking*.
- **Recognitions**: Received scholarship allowance
- **Thesis**: A proposed transport layer security mechanism for IoT multicast protocol suite and simulated performance comparison (key: DTLS for multicast)

## Skills

- **Javascript (ES6), Swift, PHP, C/C++, Java, Python, HTML5, CSS3**
- Native mobile: **iOS, Android**
- Web frontend: **ReactJS, Angular**
- Web backend: **Node.js(Express), Laravel, RabbitMQ, Memcached**
- Database: **MySQL, MongoDB, Oracle**
- Version control: **Git (Gerrit), P4V**
- Others: Docker, Jenkins, JIRA

## Selected Solo Projects

- **funds (ReactJS)**:  
React app for a small loan provider for micro businesses, all online
- **Cloud Calendar (Angular, socket.io, NodeJS & MongoDB)**:  
Real-time cloud based event calendar with mobile scalability.
- **SlateX (ReactJS)**:  
**SlateJS** based adding local image upload, 3-layer list, Save/Load in local browser.
- **Deliver-it (NodeJS, MongoDB)**:  
Crowd+ freelance delivery for small businesses
- **AgroMarket (PHP, JQuery, MySQL)**:  
Farm to kitchen site, raw session.
- **BookShelf (PHP, JQuery, MySQL)**: Online book sharing platform
- **VideoPortal (PHP, Oracle)**:  
Video site database model implementation
- **ClickNDial (Android, Tesseract)**:  
Snap & recharge from scratch cards.
- **Terrorist Alert System(Android)**:  
Volume key SOS and offline locating
- **SnakeVsBlocks**: OpenGL, C++ game
- **HeX**: Network playable JS game
- **YouTubeLooper**: Chrome extension