

# S. M. Faisal Rahman

## Software Engineer

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## Job experience

Full Stack Software Engineer Now

European Bioinformatics Institute (EMBL-EBI)

- Literature Services

Software Engineer April 2018 - December 2019

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.
- Blockchain research

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%)

Software Engineering Intern Dec 2016 - Jan 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)

## Selected Participation and Awards

Icon Employee Award 2018	Samsung R&D Institute Bangladesh	Won
Software Certificate Professional (Problem solving)	Samsung Research	Passed
ISTT Robotics Workshop 2017	Robotics programming	Instructor
NSU Cybernauts 2016	Line Follower Robot	Champion
MIST Robofest 2016	Line Follower Robot	Champion
MIST Robofest 2015	Robo-fight	Champion
Bangladesh Math Olympiad 2011	Regional	Runner up

## Startup Affiliations

1. UniShopr ([www.unishopr.com](http://www.unishopr.com))
2. Auspex::AI

## Skills

- *Swift, Java, C++, Javascript (ES6), PHP, Python, HTML5, CSS3*
- Native mobile: *iOS, Android*
- Web frontend: *ReactJS, Angular*
- Web backend: *Node.js(Express), Laravel*
- Database: *MySQL, MongoDB, Oracle*
- Version control: *Git (Gerrit), P4V*
- Embedded: ESP8266, Arduino, Raspberry pi, ATmel microcontrollers

## 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, list, Save/Load in-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