

# TAREK AHAMMED

## Senior Software Engineer (Lead)

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**Github:** <https://github.com/tarekmonjur>



## Career Objective

Experienced Software Engineer with a demonstrated history of working in the computer software industry and my expertise in designing, developing, testing, and maintaining various software applications to efficiently contribute to the growth and success of an innovative company.

## Projects

- ❖ **Field Nation:** A SAS-based work order management marketplace. The buyer publishes a work order and the provider can apply and complete the work order by following the work order life cycle. The system is also integrated with lots of third-party systems using broker worker architecture.
  - PHP, Mysql, MongoDB, JavaScript, TypeScript, NodeJs, ExpressJs, NestJs, ReactJs, Redis, RabbitMq, MQTT
- ❖ **Nurse Calling System:** A patient can call a nurse from the patient bed by using a calling device. When a patient presses the button nurse can see the real-time call on the monitor as well as get notifications on the mobile app.
  - NodeJs, ExpressJs, ReactJs, MongoDB, MQTT, Socket.io, React Native.
- ❖ **Human Resource Management:** SAS (Software as Service) based Multi-Tenant System online HRMS solution.
  - PHP, Laravel, Mysql, Vue.js, JavaScript, Multi-Tenant System.
- ❖ **Attendance System:** Real-time attendance device broker system that grabs data from the device and saves attendance data to multiple systems by calling based on the webhook mapping.
  - Python, Flask Micro Framework, Mysql, Mosquitto, Mqtt.
- ❖ **Remote Signage:** Online live video, audio, and content management system to kiosk.
  - PHP, Laravel, Mysql, Redis, JavaScript, JQuery, Ajax, NodeJs, RaspberryPi
- ❖ **E-commerce:** A e-commerce application with inventory and POS.
  - PHP, Laravel, MySQL, JavaScript, VueJs.
- ❖ **Simplicity Wanted:** Simplicitywnated is the online resume builder. Its have free and premium resume templates. The user can quickly build the resume by using the builder and after that, they can download the pdf.
  - PHP, Laravel, Mysql, JavaScript, JQuery, Ajax, Redis, Node.js, Payment Gateway.
- ❖ **House Booking:** House listing management and online booking system. Buyers can manage house listings from the dashboard.
  - PHP, Laravel, Mysql, JavaScript, JQuery, Ajax, Payment Gateway.

## Working Experiences

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### **Field Nation Ltd.**

#### **Senior Software Engineer (Team Lead)**

Sector-12, Uttara, Dhaka.

**September 2018 - Continuing**

##### **Duties/Responsibilities:**

- Micro Service Architecture.
- Monolithic Architecture.
- Product Architecture.
- Integration System.
- Third-Party Integrations (Salesforce, ServiceNow, Autotask, Connectwise, ZenDesk, FreshDesk), etc.

### **Intelligent Design & Dynamic Ltd.**

#### **Software Engineer**

Niketon, Gulshan, Dhaka.

**January 2017 – August 2018**

##### **Duties/Responsibilities:**

- SRS analysis and R&D
- Project Planning
- E-R Diagram & Database Design
- System Architecture Design
- Technical Lead

### **Nano Information Technology**

#### **Software Engineer**

Progoti Sharani, Uttar Badda, Dhaka-1212.

**January 2016 - December 2016**

##### **Duties/Responsibilities:**

- ERP Project Module (SRS analysis, E-R Diagram Design, Application process and Testing).
- Developed new procedures for requirements gathering, needs analysis, testing, scripting and documentation to strengthen the quality and functionality of business-critical applications.

### **The RS SOFTWARE**

#### **Web Developer**

Banasree, Rampura, Dhaka-1219.

**March 2014 - December 2015**

##### **Duties/Responsibilities:**

- Web application development, from layout to relational database structures.
- Payment Getaway (PayPal, Authorize.net, 2checkout).

## Area of Working

### → Programming Languages:

- ◆ PHP.
- ◆ JavaScript.
- ◆ Python.
- ◆ Java.
- ◆ C, C++.
- ◆ HTML.
- ◆ CSS.

### → Frameworks & Development:

- ◆ Laravel Framework.
- ◆ Lumen Micro Framework.
- ◆ Codeigniter Framework.
- ◆ Flask Micro Framework.
- ◆ NodeJS.
- ◆ ExpressJs.
- ◆ NestJs.
- ◆ Socket.io
- ◆ ReactJs.
- ◆ Redux.
- ◆ ReactNative.
- ◆ VueJS.
- ◆ Vuex.
- ◆ TypeScript.
- ◆ Servlet.
- ◆ JSP.
- ◆ JQuery.
- ◆ Ajax.
- ◆ Bootstrap.

### → Design & Development:

- ◆ Object Oriented Programming.
- ◆ Database Schema Design.
- ◆ Design Pattern.
- ◆ Micro Service.
- ◆ Broker Worker Service.
- ◆ SRS Analysis & R&D.

### → Database, Messaging & Monitor:

- ◆ MySQL.
- ◆ MongoDB.
- ◆ Redis.
- ◆ RabbitMQ.
- ◆ MQTT.
- ◆ ElasticSearch.
- ◆ ELK stack.
- ◆ Grafana.
- ◆ Prometheus.

### → API:

- ◆ RESTfull API.
- ◆ XML/CXML API.
- ◆ Thrid-Party.
- ◆ Social API.
- ◆ Swagger API Doc.
- ◆ Chrome Extension API.

### → Tools & Deployment:

- ◆ Ubuntu
- ◆ Docker
- ◆ Kubernetes
- ◆ Git
- ◆ Github Action
- ◆ Jira
- ◆ AWS
- ◆ Linode
- ◆ DigitalOcean
- ◆ RaspberryPi

### → Payment Gateway:

- ◆ PayPal
- ◆ 2checkout
- ◆ Authorize.net
- ◆ SSL Commerce

## Academic Qualification

Exam Title	Concentration/Major	Result	Year	Duration
<b>B.S.C in Computer Science Engineering</b> Dhaka International University	Computer Engineering	CGPA: 3.32 out of 4	2017	4 Years
<b>Diploma-in-Computer Engineering</b> Feni Polytechnic Institute	Computer Technology	CGPA:3.5 out of 4	2013	4 Years
<b>secondary school certificate</b> Chhagalnaiya Academy	Commerce	CPA: 4.69 out of 5	2009	

## Personal Information

<b>Father's Name</b>	Let Tajul Islam
<b>Mother's Name</b>	Nurjahan Begum
<b>Date of Birth</b>	September 21, 1992
<b>Gender</b>	Male
<b>Marital Status</b>	Married
<b>Nationality</b>	Bangladeshi
<b>Religion</b>	Islam
<b>Permanent Address</b>	Vill: North-Chygoriya, P/O: Dharogar Hat, Thana: Chhagalnaiya, Dist: Feni.