**Monir Hossain**

SOFTWARE ENGINEER

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## **EDUCATION**

#### [Jahangirnagar University](https://www.juniv.edu/)[2018]

**Professional Masters in Information Technology**

#### [Daffodil International University](https://daffodilvarsity.edu.bd/) [2012-2016]

**BSc in Software EngineerING**

## **Professonal Skills And interest**

* Proficiency in troubleshooting, debugging and optimizing existing large legacy codebase.
* Experience decomposing large monolith into microservices and familiar with cloud services
* Comfortable in a fast-paced environment, multi-tasking, agile methodologies, unit testing and managing Projects
* Able to work independently and collaborate in a team environment
* A passion for solving problems and providing workable solutions
* Engaging and enthusiastic personality
* Mentoring and leading junior engineers and helping them develop their skills

## **Technical Skills**

**LANGUAGES**: (proficient) **C#**, **JS**, (familiar) PHP, Python

**FRAMEWORKS**: ASP.NET, .NET Core, WPF, Xamarin, Blazor, EF6, [Sqlkata](https://sqlkata.com/), Dapper, NodeJS, Angular, React, VueJs

**REPORTING**: RDLC, Crystal Report, SSRS, Report Builder

**DATABASES**: MSSQL, MySql, PostgreSQL, MongoDB, Redis

**PROTOCALs**: TCP, UDP, HTTP, SMTP, SSH, RS232, SignalR

**DEVICES**: RFID Scanner, Weight Scale, Milk Analyzer

**OTHERS**: CI/CD, Microservices, JWT, OpenID, OAuth2, TDD, Unit Testing, Design Patterns and Principals, REST API, GraphQL, BlockChain, [IdentityServer4](https://identityserver.io/), xUnit, moq, Domain-Driven-Design, API Gateway

**TOOLS**: Docker, GIT, AZURE, [JIRA](https://www.atlassian.com/software/jira), [RabbitMQ](https://www.rabbitmq.com/), [Ocelot](https://ocelot.readthedocs.io/)

## **Professional Experience**

#### [**ACI Limited**](https://www.aci-bd.com/) **-** DhaKA (Software Engineer)[2019-current]

Advanced Chemical Industries (ACI) Limited is one of the largest conglomerates in Bangladesh with ~$321mn in annual revenues and ~9,000 employees.

[**PRANRFL-Group**](https://www.pranfoods.net/) **–** Dhaka (Software Eng.)[2018-2019]

PRAN is the largest food and beverage Manufacturer Company of Bangladesh with ~84,000 employees.

[**XeroneIT**](https://xeroneit.net/) **–** Rajshahi (Software Engineer) [2017-2018]

Award: **“Best Employee Of the year”**

**YESCODERS -** Dhaka (JR Soft Eng) [2015-2016] [part-time]

## **Projects**

#### **Fixed Asset management System**

The process of tracking and maintaining an organization’s physical assets and equipment.

* Track and manage fixed assets, depreciation, revaluation, disposal, incremental cost tracking, documents, cost allocation, etc.
* Maintain retired, sold, stolen, lost or Transfer Assets.

**Technologies**: ASP.NET MVC, MSSQL, Entity-Framework

**Others**: N-Tire Architecture, Repository Pattern, Dependency Injection, Unit Testing (xUnit), SaaS application.

#### **THE Gatekeeper –** Oauth2 Server

The Gatekeeper authorize third-party applications to access user account. It provides authorization flows for web and desktop applications, and mobile devices.

* Client app credentials management.
* Both OAuth2 flow and personal token system.
* Token validity, revoke access token, request rate limiting, SMS and email notifications.
* Handle [**Surecash**](http://surecash.net) mobile recharge requests.

**Technologies**: .NET core, JWT, OpenID, MSSQL, [IdentityServer](https://identityserver.io/).

#### **Third eye -** Field Force Tracking & Managing

* Employee location tracking & monitoring, Attendance & task distribution.
* SMS, Email, push notification & message broadcast.
* Employee live locations, nearest employee managing, emergency alert, task requests & distribution.

**Technologies**: ASP.NET MVC, Web API, SMTP, SMS, MSSQL, RDLC, Google map, Firebase.

#### **The Milkman -** PRAN Dairy business automation

An IoT based automated dairy business solution.

* It manage all the process like milk collection, analyze measurements, milk transfer, daily collection target manage, farmer targets, payments & loan management, etc.
* Schedule data backup, winforms app auto update.

**Protocols**: HTTP, TCP, RS232

**I/O Devices**: Milk analyzer, Weight Scale, RFID Sacnner, Printer.

**Technologies**: ASP.NET MVC, Web API, Windows Form, MSSQL, SQLite, RDLC

#### **Spider -** Market Survey & Compititor analysis

Market survey management application.

* Attendance IN/OUT with live location and selfie.
* SMS, Email, push notification & message broadcast.
* Outlet enlisting & management, market share, competitor analysis, promotions campaigns.

**Technologies**: ASP.NET MVC, Web API, SMTP, SMS, MSSQL, RDLC, Google map, Firebase.