



# Monir Hossain

## SOFTWARE ENGINEER

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## EDUCATION

[DAFFODIL INTERNATIONAL UNIVERSITY](#) [2012-2016]

**BSc in SOFTWARE ENGINEERING**

## PROFESSIONAL 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:** C#, JavaScript, Typescript, PHP, Python, Solidity

**FRAMEWORKS:** .NET, .NET Core, WPF, Xamarin, Blazor, Node.JS, React, Laravel

**REPORTING:** Power BI, RDLC, Crystal Report, SSRS

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

**PROTOCOLS:** 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](#), xUnit, moq, Domain-Driven-Design, API Gateway ([Ocelot](#))

**TOOLS:** Docker, Kubernetes, GIT, AZURE, [JIRA](#), [RabbitMQ](#)

## PROFESSIONAL EXPERIENCE

[ACI LIMITED](#) - 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](#) – DHAKA (SOFTWARE ENG.) [2018-2019]

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

[XERONEIT](#) – RAJSHAHI (SOFTWARE ENGINEER) [2017-2018]

AWARD: “BEST EMPLOYEE OF THE YEAR”

## PROJECTS

[INITIATE.AI](#) - AI-POWERED CONTENT CREATION TOOL

AI based text and video content generation tools for marketing team.

**Technologies:** React, Redux, Node.js, Typescript, Express

**Others:** OpenAI, FFmpeg

**MIS.DIGITAL** - POWER BI EMBEDDED DASHBOARD

Embedded Power BI reporting portal for top level management.

- Group wise embedded power BI reports

- ACL of BI reports, Azure Capacity management.

**Technologies:** .NET Core, MSSQL, EF

**Others:** Clean Architecture (DDD), **Azure**, **POWER BI SERVICE**

**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, maintain retired, sold, stolen, lost or Transfer Assets, etc.

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

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

**THE MILKMAN** - PRAN DAIRY BUSINESS AUTOMATION

An IoT based automated dairy business solution.

- Manages all the process like milk collection, analyze measurements, milk transfer, daily collection target manages, farmer targets, payments & loan management, Schedule backup, app auto update.

**Protocols:** HTTP, TCP, RS232

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

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

**THE GATEKEEPER** – OAUTH2 SERVER

A mobile recharge service that validates authorization and manage mobile recharge requests of various providers.

- Client app credentials management, OAuth2 flow and personal token system, token validity, revoke access token, request rate limiting, SMS and email notifications, [Surecash](#) mobile recharge requests managements.

**Technologies:** PHP, Laravel, Laravel-Passport, MySQL, VueJs.

**THIRD EYE** - FIELD FORCE TRACKING & MANAGING

- Employee location tracking & monitoring, Attendance, task distribution, Employee live locations, emergency alert, SMS, Email, Push notification, etc.

**Technologies:** Laravel, Rest API Server, SMTP, SMS, MySQL, Google map, Firebase.