



Monir Hossain

SOFTWARE ENGINEER

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EDUCATION

[JAHANGIRNAGAR UNIVERSITY](#) [2018]

Professional Masters in Information Technology

[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#, JS, (familiar) PHP, Python, Typescript, Golang

FRAMEWORKS: ASP.NET, .NET Core, WPF, Xamarin, Blazor, EF6, [Sakata](#), Dapper, NodeJS, Angular, React, VueJS

REPORTING: RDLC, Crystal Report, SSRS, Report Builder

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

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

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.

[PRANRL-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"

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](#) mobile recharge requests.

Technologies: .NET core, JWT, OpenID, MSSQL, [IdentityServer](#).

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 Scanner, Printer.

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

SPIDER - MARKET SURVEY & COMPETITOR 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.