

MD. NAHIDUR RAHMAN

<https://www.linkedin.com/in/md-nahidur-rahman-rifath/> | +8801672 089 753 | <https://github.com/nrifath2009> | nrifath2009@gmail.com

Experience

Senior Software Engineer (Grade II) at IT Magnet Pty Ltd, Dhaka, Bangladesh, November 2020 – Present (Full-time)

Project 1: Ontrak – A Fleet Management System

- Responsible for converting the web application feature into web mobile version and design the mobile layout and the flow of interaction using Angular.
- Developed the workflow to fetch data from IoT device and put that data into Azure cosmos DB and processed the data to calculate the usage of the fleet daily/hourly basis to charge client efficiently.
- Developed Fleet Look up and applied Strategy design pattern to efficiently call the corresponding API based on the provider's name of the given fleet.
- Developed the workflow using Logic Apps and .NET Core API to send the schedule email to the client as a reminder about Outstanding Invoice using Whisper.
- Integrated Azure Application Insights to monitor the failure in the application to take early action.
- Responsible for Architect the one of the Microservice of OnTrack Project named Dashboard using Angular and .NET Core 3 and Syncfusion and developed the workflow of Drill down from Widgets, Keeping the user wise dashboard persistent state.
- Developed predictive search with Azure maps to search for the location by typing location name and it will suggest.
- Implemented Geofence Alert system to alert the concern party through SMS if any fleet away from the Geofence area using Azure Cosmos DB Trigger, Whispir, Azure Functions and Logic App

Environment: C#, .NET Core 3 API and .NET 6 API, Angular, TypeScript, CI/CD, Azure AD, SQL Server, Redis Cache, Azure Cosmos DB, Azure Logic Apps, Azure Event Bus, EF Core, Microservices, Docker, Kubernetes, Auto Mapper, CQRS, Repository Pattern, Application Insights, Azure Map, Google Map, Whispir, Syncfusion, DevExtream, Azure DevOps, Git, Azure Functions, Bootstrap, Visual Studio 2022, Visual Studio Code

Project 2: OnFlow

- Architect the backend application structure and develop the API using .NET 7.
- Integrate the API with Oneblink platform and design the form using drag and drop option.
- Developed the data flow from Backend API to Oneblink and Oneblink to Backend API.

Environment: C#, NET 6, EF Core, SQL Server, OneBlink, Whispir, Azure DevOps, Git, Application Insights, JSON, Visual Studio 2022

Project 3: ErgoAssess

- Responsible for designing and developing the survey client portal for submitting survey of the assessment and Dashboard using Angular with ngFormly, DevExtream .NET Core 3, Azure Blob Storage and SQL Server.
- Developed the dynamic form based on the survey question types like free text, checkbox, radio button, file upload and generate the form based on that and process the data for submission.
- Design and Developed the Dashboard to show the visual output of survey response for better understanding of the assessment.

Environment: C#, .NET Core 3, EF Core, Angular, jQuery, ngFormly, DevExtream, Docker, Microservice, Azure Event Bus, SQL Server, Azure Blob Storage etc.

Senior Software Engineer at Placovu Inc, Dhaka, Bangladesh, June 2017 – Oct 2020 (Full-time)

Project 1: Ontrak Health

- Developed Android and iOS App for Products using Xamarin Forms and published them into Play Store and App Store
- Developed the workflow for Background Scheduler Health Checkup service to check if the background scheduler is up and running and if it's not, then send an email notification to concerned parties.
- Implemented the Push Notification System for iOS using APNS and set up the server-side scheduler to trigger the push notification.
- Developed a feature for an android app that worked with voice commands with an accuracy of 60%
- Responsible for developed Dashboard for both Web and Mobile Platform and integrated ChartJS Library for building several types of Graphs for data visualization.

Environment: C#, ASP.NET MVC 5, Entity Framework, Razor Page, JavaScript, jQuery, ChartJs, Xamarin Forms, iOS, Android, APNS, SQL Server, Android Speech to Text, Xcode, Visual Studio 2015 and 2017, SendGrid

Project 2: Code warrior

- Developed a real-time trivia game using .NET Core 2.2, ASP.NET Core, JavaScript, jQuery, Azure Cosmos DB, Redis Cache, SQL Server, SendGrid for multiple players and displayed real-time scores in the leaderboards. The game can be scheduled and send an email invitation with the game link to the registered users.
- Responsible for developing the game question setup and the participation portal and the leaderboard.
- Implemented the game timer with Unix timestamp to sync across every player portal when playing at the same time same game.
- Developed the workflow of Azure Redis cache auto-scaling system desktop app. When the cache is occupied by 60% or more because of the more users in the system at the same time, it will provision it to the next tier to upscaling and if the usage is lower, it will be automatically provisioned to previous tier for downscaling.

Environment: C#, .NET Core 2.2, ASP.NET Core, EF Core, JavaScript, jQuery, Azure Cosmos DB, Redis Cache, SQL Server, SendGrid.

Software Engineer at Nerd Castle Ltd, Dhaka, Bangladesh, November 2014 – May 2017 (Full-time)

Project: IDCOL

- Design and develop Loan Invoice Generation using RDLC Report, C#, .NET Framework 4.6 Desktop App
- Maintained and enhanced loan application by adding monthly invoice generation by auto calculation of the payment for the period which improved the overall workflow and reduced the 25% processing time for invoice generation as per client feedback.
- Worked as core developer in Account module to implement different feature and Financial Report using RDLC and Stored Procedure, Function, C#

Environment: C#, .NET Framework 4.6, SQL Server, RDLC Report, Stored Procedure, Function, View, Windows Form

Education

University of Information Technology & Sciences, Dhaka, Bangladesh
BSc. Computer Science & Engineering, November 2016
CGPA 3.70/4.00

Technical Skills

Experience in System Design and Analysis, Software Engineering, and Cloud Technology

Technical Tools:

-Wireframing: **draw.io, Figma**

-Designing: **Adobe Photoshop, Illustrator**

-Application Architecture: **Microservice, N-tier, Repository Pattern, CQRS, MVC**

-Backend Technologies: **C#, ASP.NET CORE, Xamarin, REST API, Entity Framework CORE, LINQ, Lambda, Stored procedure, View, Function, Trigger**

-Frontend Technologies: **HTML5, CSS3, Bootstrap, Angular, TypeScript, JavaScript, jQuery, AJAX, Responsive Design using Media Query**

- Cloud Technology: **Azure VM, Azure Cosmos DB, Azure Functions, Azure Redis Cache, Azure logic app, CI/CD**

-Version Control: **Git, Github, Bitbucket, Gitlab, Azure DevOps**

-Project Management: **JIRA, Trello, Azure DevOps**

Other Skills:

Languages: Fluent in English and Bengali.

Public speaking: Experience and the ability to speak with passion and confidence in public since I was a technical trainer for almost 3 years teaching .NET technologies to undergraduate students and professionals.