



# Sudhin Sarker Bishal

## Software Engineer



+8801685087193



[mr.bishalsarker@gmail.com](mailto:mr.bishalsarker@gmail.com)



[bishalsarker.com](http://bishalsarker.com)



[github.com/bishalsarker](https://github.com/bishalsarker)



[hackerrank.com/mr\\_bishalsarker](https://hackerrank.com/mr_bishalsarker)



[linkedin.com/in/bishalsarker](https://linkedin.com/in/bishalsarker)

I have established my career as a Software Engineer having four years of hands-on work experience in Web Application Development. My everyday work would include developing new features, finding and fixing issues, writing clean structured and reusable codes following the principles of design pattern architectures and designing micro-services. Besides software development I use to write in my blog to share my knowledge.

I am seeking a challenging career with a progressive organization that provides an opportunity to capitalize on my technical skills. I aim to put in my best efforts to further accelerate my career with adaptive, cutting-edge development techniques.

## KEY QUALIFICATIONS

- Good understanding of .NET Architecture.
- Firm experience in developing applications using object-oriented programming and design patterns.
- Writing clean code.
- Excellent ability to learn and implement new concepts in programming.
- Ability to lead others and collaborate.
- Excellent problem solving skills.

## TECHNICAL SKILLS

**Programming Languages:** C#, C, Java, C++, Python, Javascript, Typescript

**Web Backend:** ASP.NET Core MVC, ASP.NET Core WebAPI, ASP.NET Blazor, ASP.NET MVC, ASP.NET WebAPI, ASP.NET Web Forms, Node.js Express, Python Flask

**Web Frontend:** Angular 8, HTML5, CSS3, Ajax, jQuery, Bootstrap

**Mobile Platform:** .NET MAUI (Multi-platform App UI)

**Databases:** MS SQL Server, PostgreSQL, MongoDB, MySQL Server, SQLite, Redis, AWS DynamoDB

**Message Broker:** Kafka, Redis

**Tools:** Docker, Kubernetes

**Cloud Platform:** Azure Virtual Machine, Azure App Service, Azure Blob Storage, AWS Elastic Compute Cloud (EC2), AWS Simple Storage Services (S3), AWS Simple Email Service (SES), AWS Elastic Kubernetes Service (EKS), AWS Elastic Container Registry (ECR), AWS Lambda, AWS EventBridge, AWS Route 53, AWS Cloud Front, AWS Virtual Private Cloud (VPC), AWS RDS, AWS Cloud Watch, AWS Elastic Load Balancer (ELB), Heroku.

**Desktop Application:** WinForms

**Embedded Technologies :** Arduino, NodeMCU, ESP8266

**Version Control System :** Git (used Github, Bitbucket, Gitlab), Mercurial (used TortoiseHg)

**Architecture:** Micro-service, Monolithic

# EMPLOYEMENT HISTORY

## 1. Astha IT Research & Consultancy Ltd.

116 Kazi Nazrul Islam Ave, Dhaka 1205, Bangladesh.

**Designation:** Software Engineer IV

**Period:** June, 2021 – till date

### Projects:

#### a) apex4u.com

**Client:** Apex Retail Chain is a Bangladeshi retailer of shoes, clothing, and other accessories founded in 1997 and have been serving the Bangladeshi market for over 20 years.

**Responsibilities:** To integrate Algolia Search Engine for product lists and search functionality, integrate logistics and to build the core communication channel for omni-channel stores. Beside this my job was to do analysis and design a scalable and fast system for providing product data for millions of customers.

**Technologies:** Algolia, ASP.NET Web API, MongoDB, Hangfire, Docker, AWS EKS.

**Architecture:** Monolith

**Website:** <https://www.apex4u.com/>

#### b) weavio.tech

**Client:** In-House. SaaS-based simple and complete production management solution for textiles and every other production-based organization.

**Responsibilities:** Led the backend team and designed a scalable system that would handle billions of production and human resource data monthly.

**Technologies:** ASP.NET Web API with .NET 6, PostgreSQL, Hangfire, Docker, AWS SQS, AWS EC2.

**Architecture:** Micro-service

**Website:** <https://weavio.tech/>

#### c) stepout.pro

**Client:** India's first digital manager for freelance trainers. A trailblazing online platform to facilitate trainers handling all their business processes; management of classes, bookings, payments, personal branding & much more from a single place

**Responsibilities:** To architect and build micro-service based a backend with core application logic. Integrating Zoom OAuth and Razorpay (Payment Gateway).

**Technologies:** Node.js, Express, AWS Lambda, AWS EKS.

**Architecture:** Micro-service

**Website:** <https://stepout.pro>

#### d) transcomdigital.com

**Client:** Transcom Limited is a Bangladeshi business conglomerate. The businesses under this group include beverage, pharmaceuticals, newspaper, radio channel, electronics, foods, etc.

**Responsibilities:** To migrate existing MongoDB database to AWS DynamoDB for scaling also design and develop the database layer.

**Technologies:** ASP.NET Web API with .NET 6, Hangfire, Docker, AWS SQS, AWS EC2, DynamoDB.

**Architecture:** Micro-service

**Website:** <https://transcomdigital.com/>

## 2. Streams Tech Ltd.

House 16, Suite F4, Road 23, Block B, Banani, Dhaka 1213, Bangladesh

**Designation:** Associate Software Engineer

**Period:** November, 2019 – June, 2021

### Projects:

#### a) Notification Service

**Client:** IQVIA, formerly Quintiles and IMS Health is an American multinational company headquartered at Danbury, Connecticut, USA serving the combined industries of health information technology and clinical research.

**Responsibilities:** To build one of the micro-services and integrate the service with other micro-services and also to build the admin console (frontend) for managing the service.

#### b) Worksite

**Client:** DeWolff, Boberg & Associates, headquartered at Dallas, Texas, USA is cross-industry management consulting services provider. Worksite a workforce management software that enables frontline managers to strategically manage their resources and drive business outcomes. It's a highly customizable software solution for all levels of management and all industries to increase insight on the performance of workforce.

**Responsibilities:** To build new feature modules, improving performance, testing and debugging.

## BACHELOR PROJECT

### Talking Garage

IoT based smart car parking system built with a goal to solve parking problems. This system helps drivers to find and book parking spaces to their desired location. It also manages parking bills.

#### Technologies Used:

**Web Backend :** ASP.NET MVC, MS SQL Server

**Web Frontend :** HTML5, CSS3, Javascript, Bootstrap, Ajax, jQuery

**Hardware :** Arduino, ESP8266, NodeMCU ( For a device which detects cars and sends data to the server)

**Hardware Languages :** Arduino, C, C++

**Github :** <https://github.com/bishalsarker/talkingGarage>

**Paper Link:** <http://dspace.daffodilvarsity.edu.bd:8080/handle/123456789/2404>

## PET PROJECTS

### 1. Neuron Blast

This is my personal blog where I share my knowledge, thoughts and projects.

**Link:** <https://blog.bishalsarker.com/>

### 2. EzyQuizy

Web application for online exams with real-time cheat detection through browser using ASP.NET MVC.

**Github:** <https://github.com/bishalsarker/ezyqizy>

### 3. HYDB

SaaS based no-code RESTful API builder.

**Github:** <https://github.com/bishalsarker/HYDB.Backend>

## **EDUCATION**

**B. Sc in Software Engineering**

**Daffodil International University**

**2015 – 2019**

**CGPA : 3.04 (out of 4.00)**