

Asir Mosaddek Sakib

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Senior Software Engineer with **7 years of experience** in building and scaling enterprise-grade web applications using **C#/.NET Core** and **Angular**. Skilled in designing **RESTful APIs**, implementing **SOLID principles**, and applying **Clean Architecture** and **Design Patterns** for robust, maintainable systems. Experienced in **ASP.NET Web API**, **Entity Framework**, and asynchronous programming. Proven track record in migrating **monolithic** systems to **microservices**, optimizing performance, and deploying on **Azure** and GCP. Adept at mentoring engineers, leading code reviews, and driving CI/CD adoption in Agile/Scrum environments.

Experience

Affpilot

Tech Lead

Dhaka, Bangladesh

Jun 2025 – Oct 2025

- Led migration of the [Affpilot](#) application from **monolithic** architecture to **microservices** using **Go**, **Python**, **RabbitMQ**, **gRPC**, and **Redis**.
- **Redesigned the Celery task system**, decreasing user wait times for background task processing by **80%** and improving parallel article generation by **20%**.
- Modified and optimized **AI prompt engineering** for the content generation pipeline using **OpenAI Models (GPT)**, improving relevance and quality of generated articles.
- Diagnosed and resolved critical production issues, stabilizing the platform for over 85,000 registered users and 3,000 active users; executed **horizontal and vertical scaling** on Azure VMs to manage peak loads.
- Deployed applications on **Azure** and **GCP**, including **Azure OpenAI models**.

Orbitax Bangladesh Limited

Senior Software Engineer

Dhaka, Bangladesh

Jul 2024 – May 2025

- Implemented the **SAGA pattern** to improve distributed workflow reliability and decrease scenario duplication process time by **20%**.
- Enhanced the **Scenario Architecture (tax calculator engine)** for improved performance and scalability.
- Successfully delivered an advanced spreadsheet solution using **SpreadsheetGear** library and **Event Sourcing**.
- Mentored junior developers and interns, led technical sessions, and actively participated in code reviews.
- **Tech Stacks:** **C#**, **.NET Core**, **Angular**, **MongoDB**, **RabbitMQ**, **MassTransit**

Software Engineer

Aug 2020 – Jun 2024

- Designed and developed the [Audit Tracker](#) using **ASP.NET Core Web API** and **Angular**.
- Migrated Forms Data from **Microsoft SQL Server** to **MongoDB**, increasing **API speed by 50%** by eliminating calls to the **legacy platform**.
- Contributed to the architecture of the [Global Minimum Tax](#) and [International Tax Calculator](#) platforms, specifically on the scenario creation and document upload/storage processes with **ASW S3**.
- **Tech Stacks:** **C#**, **.NET Core**, **Angular**, **MongoDB**, **MSSQL**, **RabbitMQ**, **MassTransit**

Associate Software Engineer

Nov 2018 – Jul 2020

- Built an **FX Rates API microservice** using **ASP.NET Core Web API** with reporting UI and export features.
- Developed a document publishing tool for [Tax Research Documents](#) using a **state machine framework**.
- Improved the **entity import/export** workflows by **20%** through **in-memory caching**.
- **Tech Stacks:** **C#**, **.NET Core**, **Angular**, **MSSQL**, **MongoDB**, **RabbitMQ**, **Redis**

Education

BSc	Begum Rokeya University, Rangpur <ul style="list-style-type: none">• Computer Science & Engineering• CGPA: 3.52/4.0	2011 – 2015
HSC	Cantonment Public School and College, Rangpur <ul style="list-style-type: none">• Group: Science• GPA: 5.0/5.0	2011
SSC	Lions School and College, Rangpur <ul style="list-style-type: none">• Group: Science• GPA: 5.0/5.0	2009

Projects

RPCC Easy Bike License Checking	Freelance (2017-2018)
<ul style="list-style-type: none">• Developed a comprehensive auto rickshaw (Easy Bike) license management and verification system, streamlining administrative processes for local authorities in Rangpur and reducing manual paperwork.• Implemented Role-Based Access Control (RBAC) for admins and data entry operators, enhancing security and ensuring compliant data handling for sensitive license information.• Integrated real-time notifications using Pusher, enabling instant updates on license approvals, renewals, and verifications to improve operational efficiency.• Built a printing system for generating official ID cards for auto rickshaw operators, facilitating quick issuance and standardization.• Created a companion Android mobile app for on-the-go license verification via QR code scanning, empowering field officers to conduct real-time checks and combat fraud.• Tech Stack: Laravel (Backend), MySQL (Database), Java (Android App).	
ePolytechnic - E-Learning Platform	Freelance (2016-2017)
<ul style="list-style-type: none">• Designed and developed an online learning platform for polytechnic students across Bangladesh.• Implemented articles, quizzes, and video lecture modules, supporting multimedia content delivery.• Served thousands of students by providing an accessible, scalable platform for technical education.• Tech Stack: Laravel, MySQL.	

Skills

Languages: C#, Go, Python, PHP, JavaScript

Frameworks: .NET Core, Angular, Django, Laravel

Databases & Storage PostgreSQL, MongoDB, Microsoft SQL Server, MySQL, Redis, AWS S3

Cloud & DevOps: Azure, Google Cloud Platform (GCP), Docker, RabbitMQ, CI/CD (GitHub Actions)

Architecture & Patterns: Microservices, Event-Driven Architecture, Domain-Driven Design (DDD), SAGA Pattern, REST & gRPC APIs, Distributed Systems

Security: OAuth2, JWT, Secure API Design, Role-Based Access Control (RBAC)

Other Tools & Skills: Git, Prompt Engineering for AI/LLM Pipelines, Mentoring & Team Leadership, Agile/Scrum