

# Asir Mosaddek Sakib

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LinkedIn: [linkedin.com/in/amsakib](https://linkedin.com/in/amsakib) GitHub: [github.com/amsakib](https://github.com/amsakib)

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**

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<b>BSc</b>	<b>Begum Rokeya University, Rangpur</b>	2011 – 2015
	• Computer Science & Engineering	
	• CGPA: 3.52/4.0	
<b>HSC</b>	<b>Cantonment Public School and College, Rangpur</b>	2011
	• Group: Science	
	• GPA: 5.0/5.0	
<b>SSC</b>	<b>Lions School and College, Rangpur</b>	2009
	• Group: Science	
	• GPA: 5.0/5.0	

## **Projects**

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<b>RPCC Easy Bike License Checking</b>	Freelance (2017-2018)
• 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 <b>Role-Based Access Control (RBAC)</b> for admins and data entry operators, enhancing security and ensuring compliant data handling for sensitive license information.	
• Integrated <b>real-time notifications using Pusher</b> , 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 <b>QR code scanning</b> , empowering field officers to conduct real-time checks and combat fraud.	
• <b>Tech Stack:</b> Laravel (Backend), MySQL (Database), Java (Android App).	

<b>ePolytechnic - E-Learning Platform</b>	Freelance (2016-2017)
• Designed and developed an online learning platform for polytechnic students across Bangladesh.	
• Implemented <b>articles, quizzes, and video lecture modules</b> , supporting multimedia content delivery.	
• Served <b>thousands of students</b> by providing an accessible, scalable platform for technical education.	
• <b>Tech Stack:</b> Laravel, MySQL.	

## **Skills**

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**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