

# Md Biplob Hosen

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## SOFTWARE ENGINEER

C# | .NET Core | SQL Expert | JSON | Cloud | CI/CD

Highly skilled backend developer with **8+ years** of professional experience designing and building **scalable enterprise-grade applications** using **.NET (C#)**, **SQL Server**, and **PostgreSQL**. Proven ability to write and optimize complex SQL queries and stored procedures for high-performance systems. Strong track record in **backend API development**, **data exchange solutions**, and **cloud deployment**. Experienced in **Agile environments**, mentoring teams, and delivering secure, maintainable code.

## PROFESSIONAL SKILLS

- **Backend Development:** .NET Core (6/7/8), ASP.NET Core Web API, Entity Framework Core
- **Database Expertise:** SQL Server, PostgreSQL, T-SQL, Stored Procedures, Views, Query Optimization.
- **Data Formats:** JSON (data exchange, API responses, configuration management)
- **Cloud & DevOps:** Azure, AWS (basic), Docker, GitHub Actions, Azure DevOps, CI/CD pipelines
- **Architecture & Practices:** Clean Architecture, DDD, Microservices, Event-Driven Systems
- **Tools:** Git, Swagger, Postman, Jira
- **Team Leadership:** Mentorship, Sprint Planning, Task Management, Architecture Ownership

## WORK EXPERIENCE

**SELISE Digital Platforms - Dhaka, Bangladesh**

20/11/2024 – Present

**Staff Software Engineer**

- Worked on Creolytix, an advanced online real-time risk monitoring and threat analysis platform using **.NET Core**, **Azure Services**, and optimized database queries.
- Introduced **AI-assisted development workflows** using GitHub Copilot and ChatGPT, increasing team productivity. Participated in **CI/CD** implementation using **GitHub Actions**, reducing deployment time.
- Worked directly with international clients to gather requirements, present demos, and ensure project alignment.

**MEDIA SOFT DATA SYSTEM LIMITED - Dhaka, Bangladesh**

11/2021 – 11/2024

**Senior Software Engineer and Team Lead**

- Built and maintained an enterprise app using **.NET Core**, **Entity Framework**, **MS SQL**, and **Angular**.
- Designed database schema, optimized queries, and used Redis for caching.
- Conducted code reviews, introduced TDD and DDD practices to reduce technical debt and improve maintainability.
- Collaborated with cross-functional teams to translate business needs into technical solutions.

**NEXT IT LIMITED - Dhaka, Bangladesh**

11/2019 - 10/2021

**Software Engineer**

- Developed **ASP.NET Core Web APIs** and collaborated with front-end teams on **Angular**-based SPAs.
- Migrated legacy systems to **single-page architecture**, improving performance and user experience.

- Implemented **authentication and authorization** using JWT and OAuth.
- Improved API response time by 30% via indexing and query optimization.
- Used Jira to manage task breakdown, sprint planning, and backlog refinement.

**DATABIZ SOFTWARE LIMITED - Dhaka, Bangladesh**

02/2017 - 10/2019

#### **Programmer**

- Developed modular **ERP** features using **ASP.NET MVC, Razor Views, and SQL Server**.
- Optimized complex **SQL** queries to improve application responsiveness and data processing efficiency.
- Generated reports and dashboards using complex SQL and **Crystal Reports**.

**SINHA-MEDLAR GROUP - Dhaka, Bangladesh**

02/2016 - 02/2017

#### **Software Developer**

- Developed backend functionality using **.NET technologies**.
- Designed user interfaces using **JavaScript, HTML, and CSS**.
- Built and optimized SQL queries for **report generation using Crystal Reports**.

## **EDUCATION**

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**Pabna University of Science and Technology - Pabna, Bangladesh**

Bachelor of Computer Science and Engineering

## **PROJECT**

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**Creolytix:** Built a scalable risk monitoring and threat analysis platform with **.NET Core, MongoDB, RabbitMQ, and Azure Services**.

[View](#)

**Cloud POS:** Led the development of an integrated point-of-sale application, ensuring high quality, scalability, and performance, and built a scalable POS with **microservices, Redis, RabbitMQ, and Docker**.

[View](#)

**Garments Accessories ERP:** Built cutting-edge ERP software with **ASP.NET Web API, AngularJS, Redis cache, SQL Server, Entity Framework, and Crystal Reports** for generating insights.

[View](#)

**Bizness Roots ERP:** Developed a scalable and reliable Distributed and Supply Chain Management ERP Solution using **ASP.NET MVC, SQL Server, Entity Framework, Crystal Reports, and JavaScript**.

[View](#)

**Garments ERP:** Enterprise ERP using **ASP.NET, Oracle, JavaScript, and Crystal Reports**.

[View](#)

## **LANGUAGE COMPETENCIES**

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- Bengali: native language.
- English: Good at speaking, excellent at reading, and writing.