

# Md. Saiful Alam

## Senior Software Engineer

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### Summary

Experienced Full-Stack Web Developer with 17+ years of experience in backend and frontend development using Microsoft .NET and modern web technologies. Proven expertise in system architecture, SDLC, API development, and delivering scalable solutions across web applications, ERP systems, e-commerce, and blockchain-based dApps. Adept at working in Agile teams and leading technical projects with strong attention to quality and efficiency.

### Technical Highlights

- Expertise in Microsoft .NET stack (ASP.NET Core, MVC, Web API, Web Forms, C#, VB.NET, Entity Framework 6 & Core)
- Strong background in system analysis, architecture, and database design
- Skilled in REST API development with Swagger documentation
- Experience building custom ERP, e-commerce platforms, and web portals
- Experience in Microservices Architecture and API Gateway using Ocelot
- Built CI/CD pipelines using AWS CodePipeline and Azure Pipelines (Azure DevOps)
- Built NFT dApps using Blockchain, Web3, Smart Contracts, React.js, Next.js
- Real-time CRM integrations via middle layer APIs, interfaces, and Windows Services / Hangfire
- Proficient in unit testing with xUnit, MSTest, and Moq
- Comfortable with the MERN stack (MongoDB, Express.js, React.js, Node.js)
- Strong experience working in Agile (Scrum) environments
- Fast learner with excellent problem-solving and analytical skills
- Effective team leader, capable of task assignment, guidance, and project

### Experience

FEB 2011 – PRESENT

#### Sr. Software Engineer / NEXA, Dubai

- Collaborate with project managers to define and deliver software projects on time and within budget, ensuring alignment with business goals.
- Design scalable system architectures and relational databases (MSSQL) to support complex business operations, optimizing data integrity and performance.
- Ensure high availability and system reliability through robust security implementation and continuous performance tuning.
- Maintain and upgrade existing systems, introducing new features and improving

- Build full-stack web applications using .NET technologies (ASP.NET Core, MVC, EF Core, C#.NET, VB.NET), React.js, Next.js, Angular.js, and more, enhancing user experience and operational efficiency.
- Develop secure RESTful APIs for internal and third-party system integration, enabling real-time communication with CRMs and other platforms.

JUL 2009 - JAN 2011

### Software Engineer / JABA IT, Dhaka

- Directly gathered client requirements to align system design with real-world organizational processes.
- Designed robust system architecture and relational databases using MSSQL, optimizing performance and scalability.
- Built a full-scale ERP system from scratch using ASP.NET, C#, and SQL, streamlining business operations across departments.

MAY 2008 - JUN 2009

### Sr. Software Developer / RASIS, Dhaka

- Worked independently and collaboratively within cross-functional teams to deliver high-quality software solutions.
- Designed and developed both web and desktop applications from the ground up using ASP.NET, C#, MSSQL, JavaScript, jQuery, AJAX, HTML, and CSS.

APR 2007 - APR 2008

### Software Developer / SG R&D Ltd, Chittagong

- At a Singapore-based outsourcing company, I collaborated with a team to develop a soccer betting website using ASP.NET and C#, and also created a horse racing game with Flash and ActionScript.

usability based on user feedback and evolving requirements.

- Strong experience working in Agile (Scrum) environments
- Actively engage in R&D to explore emerging technologies and solve complex technical challenges, driving innovation within the team.

- Developed an end-to-end SCM module including Procurement, Production, Sales, Inventory, HRM, and more, improving workflow efficiency.
- Created detailed reports using Crystal Reports to support data-driven decision-making.

- Built custom software solutions, including a project management system and a production planning system, to streamline operations and improve efficiency.

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## Education

DEC 2001 - OCT 2006

### B.SC. In Computer Science & Engineering

Chittagong University of Engineering & Technology (CUET)

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# Project Highlights

## American Electric Rates

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

USA-based platform for comparing electric rates with ZIP-based search and API integration.

**Tech:** ASP.NET Core 6.0, C#, MSSQL, ASP.NET Core Web API, Entity Framework Core, HubSpot.

**Role:** Requirement analysis, API & website development, third-party integrations.

## MyaCare

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

Global health & wellness platform for patients, doctors & providers.

**Tech:** ASP.NET, AngularJS, MSSQL.

**Role:** Requirement analysis, system design, backend and frontend development.

## Custom WhatsApp Messaging System using Twilio

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

WhatsApp messaging system integrated with HubSpot and Twilio for bulk messaging via approved templates. Includes an admin panel to send messages, view message logs, and track delivery status.

**Tech Stack:** ASP.NET MVC, C#, Entity Framework, MSSQL, Twilio API, HubSpot API

**Role:** Requirement analysis, system design, backend and frontend development.

## Magnate Assets

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

UK property listing site with advanced search by location, type, price, etc.

**Tech:** ASP.NET MVC, C#, AngularJS, Entity Framework, MSSQL.

**Role:** Requirement analysis, system design, backend and frontend development.

## Explore Tech

[explorettech.io](http://explorettech.io)

Marketplace for the hotel and travel industry with vendor and buyer dashboards for managing profiles, products, ratings, and tech stack integration.

**Tech:** ASP.NET MVC, C#, MSSQL, Entity Framework, Angular JS, Stripe API, HubSpot API

**Role:** Requirement analysis, system design, backend and frontend development.

## Factory Management System

ERP system for supply chain management with modules for user roles, procurement, production, sales, inventory, and HRM.

**Tech Stack:** ASP.NET, C#, MSSQL.

**Role:** Requirement analysis, system design, backend and frontend development.

**More Projects:** Feel free to visit my [portfolio](#) to view the full list of projects.

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## **Skills**

### **Microsoft Technologies**

.NET Framework, .NET Core, ASP.NET, ASP.NET MVC, ASP.NET Core, C#.NET, VB.NET, ADO.NET, Entity Framework, Entity Framework Core, ASP.NET Web API, ASP.NET Core Web API, Web Service, LINQ, Blazor.

### **Databases**

MSSQL, PostgreSQL, MySQL, MongoDB.

### **Frontend Technologies**

React.js, Next.js, Angular.js, Node.js, Express.js, JavaScript, jQuery, AJAX, HTML5, Bootstrap, CSS.

### **Content Management System (CMS)**

Umbraco CMS.

### **Architecture & Design Patterns**

Microservice, Repository Pattern, Model-View-Controller (MVC), Clean Architecture, Command and Query Responsibility Segregation (CQRS).

### **DevOps, Hosting & Cloud**

IIS (Internet Information Services), Amazon Web Services (AWS), Microsoft Azure, Vercel, Docker, Azure Kubernetes Service (AKS), Azure Container Registry (ACR), Azure DevOps, AWS CodePipeline.

### **Code Repositories & Version Control**

Git, GitHub, Azure Repos, Bitbucket.

### **Reporting**

Crystal Reports.

### **Tools & Utilities**

Jira, Trello, Postman, Forecast, Slack.

### **Software & IDEs**

Visual Studio, Visual Studio Code.

### **Testing Tools & Frameworks**

xUnit, MSTest, Moq.

### **NFT & Blockchain Development**

Web3.js, Etherscan, Alchemy, IPFS, Hardhat, Solidity

### **3rd Party Integration**

Twilio, HubSpot, Stripe, 2Checkout, Payfort, PayTabs, Network Solution, DHL, Aramex, QuickBooks, NetSuite, SwapCard, Microsoft Dynamics 365, Ziwo.