

# Md Rabby Hasan

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## SUMMARY

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Software Development with 8 years of success in results-driven, customer-focused, highly organized, and analytical software engineering with experience in architecture, design, development, integration, and delivery of web applications and analysis.

- Professional in .NET, Microservices, JavaScript, Angular, React, Vue, SQL, NoSQL, Azure and professional in taking the customer's and handing over requirements using agile methodology.
- Effective communicator, able to build client relationships during requirements gathering that creates loyalty and manages expectations, while exhibiting a team-oriented, collaborative attitude.

## SKILLS

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**Server Side:** C#, Microservices, .NET 6, .NET 7, ASP.NET Core, ASP.NET MVC, Web API, WCF, Clean/Onion Architecture, OAuth, EF Core, DI, DDD, CQRS, xUnit, Moq, NodeJs

**Databases:** MSSQL, Oracle, Cosmos DB, Mongo DB, SSIS, Redis

**Client Side:** Angular 8+, Vue 3, Vue 2, Vuex, ReactJs, NextJs, JavaScript, Typescript, HTML5, CSS3, Bootstrap, AJAX, JSON

**Tools:** Git, Docker, Kubernetes, RabbitMQ, Kafka, Azure Service Bus, SSMS, SSRS, Agile (Scrum / Kanban)

**Cloud:** Azure Devops (CI/CD), Azure Web Apps, Azure VM, Azure Functions, Azure Service Bus, Azure Data Factory, Azure Active Directory, Azure Key Vault, ACS, ACR, AKS, Azure SQL, AWS ECR, ECS

## WORK HISTORY

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### Freelance Self Employed

2023/05 – Present

LEAD FULL STACK DEVELOPER

Remote

- Leading the development, design, and architecture of a pioneer veterinary application in Bangladesh to provide veterinary services to animals and their owners.
- Translating complex businesses into user-friendly use cases, ensuring that users can easily understand and interact with the veterinary application, leading to a high level of user satisfaction
- Producing clean, scalable, and maintainable code for a node.js hotel management application resulting in higher code quality and skill improvement.
- Redesigned a popular open source React blog into an API-based blog with Markdown support, making it easier for the user to manage and update the blog.
- Actively participated in creating a backlog to track project progress and ensure deadlines were met.

### Softensity Inc

September 2022 – April 2023

SENIOR SOFTWARE ENGINEER

USA, Remote

- Collaborated with cross-functional teams to understand business requirements and delivered solutions, resulting in improved operational efficiency.
- Troubleshooted and resolved technical issues promptly, providing guidance to junior team members, which led to enhanced application performance.
- Produced clean, scalable, and maintainable code, conducted code reviews, and mentored junior team members, resulting in higher code quality and skill improvement.
- Participated in agile development processes like DSM, sprint retrospectives, and backlog grooming, guiding junior team members to contribute effectively to project success.

### Brainstation 23 Limited

February 2020 – August 2022

SENIOR SOFTWARE ENGINEER

Dhaka, Bangladesh

- Led the team and proposed valuable business solutions, resulting in enhanced efficiency.
- Designed high-quality software, effectively managing development tasks and improving project outcomes. Developed efficient code, creating tools and applications that streamlined processes and increased productivity.
- Implemented automation via CI/CD, reducing manual effort and enhancing workflow. Enhanced code quality through thorough review and documentation.
- Collaborated with teams and vendors, addressing product issues and improving performance. Managed multiple projects and analyzed business requirements for streamlined operations and better products.

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### **Brainstation 23 Limited**

February 2018 – February 2020

*SOFTWARE ENGINEER*

*Dhaka, Bangladesh*

- Participated in various projects, where my contributions led to the successful development of numerous client-requested features. This resulted in improved product functionality and overall client satisfaction.
- Rapidly generating clean, optimized, and well-documented source code.
- Effectively debugging existing code and refining feature sets for improved

### **Ha Meem Group**

October 2017 – January 2018

*SOFTWARE ENGINEER*

*Dhaka, Bangladesh*

- Boosted team productivity and fostered strong team bonds.
- Efficient Coding: Optimized code, reducing costs and improving maintainability
- Developed Asset Management (CS, RS, BS records), Worked on Commercial Management for the Garments Industry

### **Unisoft Systems Ltd**

June 2016 – September 2017

*SOFTWARE ENGINEER*

*Dhaka, Bangladesh*

- Developed business specific, organized, and well-documented sales module for ERP including POS, discounts, and promotions, improving user experience and streamlining sales processes. Managed and implemented data replication to enhance system performance and ensure data accuracy.

### **Systech Unimax Ltd**

2016/01 – 2016/05

*JUNIOR SOFTWARE ENGINEER*

*Dhaka, Bangladesh*

- Developed Supply Chain Management for a major conglomerate in Bangladesh.
- Implemented code to manage a large volume of product serial numbers.
- Integrated SCM with CRM via SFTP to track product activation and movement.

## **E D U C A T I O N**

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### **Jahangirnagar University**

2019

*Master of Science in Computer Science (GPA:3.38 / 4.00)*

*Savar, Dhaka*

- **Relevant Coursework:** Data Structure, Software Engineering, Object Oriented Programming with JAVA, Data Communication, Industrial Automation, Embedded Systems, Digital Image Processing, Computer Networks, Network Security, Information Theory and Coding systems, Advanced Database Management System, Software Project Management and Quality Assurance.

### **National University**

2011

*Master of Science in Chemistry*

*Dhaka*

### **National University**

2010

*Bachelor of Science in Chemistry*

*Dhaka*

## **T R A I N I N G & C E R T I F I C A T I O N**

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### **Enterprise System Analysis and Design using C#**

2013-2015

*Daffodil Institute of IT under IDB-BISEW*

*Dhaka*

### **Microsoft**

2016

*Microsoft Certified Solutions Developer: App Builder (Transcript ID: 1214001, Pass: R1234567)*

*MCS5*

### **Microsoft**

2015

*Microsoft® Certified Solutions Associate: Web Applications (Transcript ID: 1214001, Pass: R1234567)*

*MCSA*

## PROJECTS

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### **OIL RIG MANAGEMENT - InformatiQ | *Lead Backend Developer***

**Technologies:** .NET 6, Microservices, .NET Core Web API, Docker, Azure DevOps, Kubernetes, Azure service bus, Cosmos DB

- Led the development of a microservices-based Norwegian Oil Rig Management platform utilizing .NET 6, Azure Service Bus, Cosmos DB, and Clean Architecture. This initiative resulted in a 20% automation of Well, Well-Bore, BHA, and Cement management within the first quarter
- Designed and developed numerous Messaging Handlers using .NET Core Web API and Azure Service Bus, leading to an 80% improvement in data exchange among microservices
- Implemented a sophisticated background services architecture for retrieving data from various databases, significantly enhancing performance and reducing wait time by 90%.
- created comprehensive excel upload services capable of handling bulk data insertion and managing old excel data, which not only improved user engagement but also reduced data entry time by 50%.

### **PIQLCONNECT - Piql | *Lead Full-Stack Developer***

**Technologies:** .NET 5, VUE 2, VUE 3, Microservices, .NET Core Web API, Docker, Azure DevOps, Cosmos DB

- Led the development team to maintain piqlConnect Client and microservices REST API using .NET 5, Vue 2 and Azure, which automates the big data upload facilities up to 60%.
- Designed and developed the Piql Admin architecture using Vue 3, which serves as the core tool for administrators to manage roles, permissions, and packages. This implementation ensured a 90% user engagement rate and package management.
- Optimized data upload performance by implementing chunked uploading, which increased the facility's capacity from 20GB to 100GB at once.

### **CEM (CLIENTS & ENGAGEMENTS) - Ernst & Young | *Senior Engineer***

**Technologies:** .NET 6, Microservices, .NET Core Web API, Docker, Azure DevOps, Kubernetes, Azure service bus, Azure Functions, Azure SQL

- Worked on improving the performance of CEM through architectural problem-solving, leveraging PLINQ and query optimization. This effort resulted in a 90% faster API, which leads to a saving of 5k per month.
- Designed and developed tons of REST Api using .NET 6 to which automates multiple features of CEM.
- Actively maintained agile methodologies, participated in backlog grooming and sprint retrospective sessions, and collaborated with cross-functional SRE and Infrastructure teams. This experience contributed to enhancing my personal growth by up to 20%.

### **EMPLOYEE MOBILITY - Paints Company | *Technical Lead***

**Technologies:** .NET Core, Angular, .NET Core Web API, Azure DevOps, MSSQL, .Net Core Worker Service, Odata, SAP Integration


- Led a team of 2 Mid/Senior Developers, 2 Mobile Application Developers, and 1 Business Analyst, utilizing Jira for task assignment, daily monitoring, and project growth tracking. This strategy resulted in a 40% increase in development output during the first quarter.
- Participated in architecture design, requirement analysis, and estimation processes, which contributed to a 15% increase in company profits.
- Implementation of a structure for SAP data delivery to mobile applications, automating employee tasks, and establishing a robust backend system to support these initiatives. This effort led to 100% automation of several client departments.

### **EXPIRY CONTROL SYSTEM - Worlds Best Pharmaceuticals | *Technical Lead***

**Technologies:** .NET Core, MSSQL, Razor Pages, Asp.NET Identity, Docker, Azure DevOps (CI & CD)

- Led the development of a unique innovation project for a Major Pharma Company, which resulted in securing \$60 million for the company
- Implemented a robust dashboard accessible worldwide. This dashboard allows for real-time monitoring of short expiry products and their sales data across different territories. This proactive approach enables the company to swiftly relocate short expiry products to appropriate territories, automating 90% of expiry control processes.

**Apart from those projects I have designed, developed and contributed 20+ Enterprise projects so far and continuing**

 [See All of my Projects](#)