

## Md Mostafizur Rahman

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HackerRank

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## Summary

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I'm currently working as a **junior software engineer** at HD Clinical Limited. Expertise in .NET, MySQL, JavaScript, Telerik and Endoscopy system management. I have strong knowledge of problem solving. I'm interested in Web application development and Data Management. I am looking for the opportunity to enhance my skills and build a career in the Software Engineering industry.

## Experience

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- **HD Clinical Limited** January 2024 – present  
*Junior Software Engineer - Fulltime* *Dhaka, Bangladesh*
  - **Advanced Database Management with MySQL:** Designed, optimized, and maintained relational databases using advanced features such as triggers, stored procedures, functions, views, dynamic SQL, and cursors to ensure data integrity, automate processes, and enhance query performance for real-time application requirements.
  - **Bug Resolution and Feature Development:** Efficiently debugged and resolved application issues, enhancing system reliability and user experience. Delivered scalable and user-friendly features to meet business needs in healthcare applications.
  - **.NET Application Development:** Developed and maintained robust software solutions in .NET, optimizing performance for patient procedure management workflows.
  - **Front-End Development:** Enhanced user interfaces using JavaScript and Telerik controls, delivering seamless user experiences in line with modern UI/UX practices.
  - **End-to-End Software Lifecycle Management:** Collaborated across teams to gather requirements, design system architecture, and implement features in critical healthcare applications.
  - **Domain Expertise in Endoscopy Systems:** Contributed to the development of features tailored to patient procedure phases, streamlining operational workflows and improving medical outcomes.
  - **Code Integration with Azure DevOps:** Integrated project code into the main branch using Azure DevOps, efficiently resolving merge conflicts and maintaining code quality to ensure smooth and reliable project updates.
- **Walton** Aug 2023 – Nov 2023  
*Java Developer - Intern (onsite)* *Dhaka, Bangladesh*
  - **Oracle Database Experience:** Worked on Oracle database-related tasks, gaining hands-on experience in database management and query optimization during the internship.
  - **Login Module Development:** Designed and implemented a login module supporting user and admin roles, ensuring secure authentication and authorization workflows using Java and Grails frameworks.
  - **Bookstore Project:** Developed robust Create, Read, Update, and Delete (CRUD) functionality for a bookstore application, ensuring efficient data management and user-friendly interaction.
  - **Framework Proficiency:** Gained hands-on experience with Grails, Spring, and Spring Boot, building scalable and maintainable Java applications.

## Skills

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- **Problem solving:** Competitive Programming, Data Structure, Algorithm
- **Languages:** .NET, MySQL, JavaScript, Python, Spring Boot, C++
- **Frameworks and Tools:** Proficient in Telerik UI Controls for ASP.NET and WinForms.
- **Database Management:** Skilled in MySQL, SQL, Oracle Database; performing query optimization, data normalization, and schema design.
- **Operating Systems & Scripting:** Linux (basic), Bash Script (basic)

- **Debugging and Problem-Solving:** Strong track record in identifying root causes of software issues and deploying efficient solutions to minimize downtime.
- **Full-Stack Development:** Capable of managing all aspects of application development, from database design to front-end implementation.
- **Version Control and Collaboration:** Worked with TFS and Azure DevOps for version control, code merging, and conflict resolution in team-based development environments.

## Education

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- **American International University-Bangladesh** 2020 – 2023  
*Bachelor of Science in Computer Science; GPA: 3.91/4.00* Dhaka, Bangladesh
- **Dhaka City College** 2017 – 2019  
*Higher Secondary Certificate; CGPA: 4.91/5.00* Dhaka, Bangladesh
- **Monipur High School & College** 2017  
*Secondary School Certificate; CGPA: 5.00/5.00* Dhaka, Bangladesh

## Projects

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**Restaurant Management System:** *Java, OOP fundamentals, Console application, GitHub*

- It is a small Java project focused on implementing OOP fundamentals in a console application environment.

**Online Medi-Care Service, E-Commerce Website:** *Asp.Net, 3-tier Structure, MySQL, JavaScript*

- Built a fully dynamic online bus ticket system using C#, JavaScript (backend), HTML, CSS, Bootstrap (frontend), and MySQL (database).

**Online Fuel Ordering System:** *Spring framework, REST API, MySQL*

- Implemented CRUD operations with REST APIs, including secure authentication and authorization mechanisms.

**Online Bus Ticket System:** *C#, HTML, CSS, JavaScript, MySQL*

- Developed a desktop application for bus ticketing, featuring OTP authentication and a full-stack architecture (C#, JavaScript backend, HTML/CSS/Bootstrap frontend, MySQL database).

## Coding Platforms

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- **HackerRank:** Practice linux, python, sql.
- **Leetcode:** Solved 280+ Problems.
- **Codeforces:** Max Rating 763, Solved 100+ Problems.

## Achievements & Certifications

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**Dean's Award List** 2020-2021, 2021-2022, 2022-2023.

**Magna Cum Laude (Silver Medal).**

**300+ Programming Problem Solve:** I have solved programming problems on different platforms like Codeforces, Atcoder, Leetcode, and HackerRank.

**IT Essentials,** Cisco Networking Academy, 2020

Participate in Special workshop on Bangladesh National Portal A2i, 2022