

# Md. Rakibul Hasan<sup>✉</sup>

Software Developer

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in Rakibul-Hasan-0455

🐙 Rakib-Hasan-455

From the beginning of university, I have a strong interest in programming and technology. As per interest I solved over 300+ problems from different OJ and participated in different competitions like Therap Javafest, ICPC etc. Also I have done a job for about 1.3 years to enhance my skillset as programmer in the software field. Currently, I am looking for a job to establish myself as a good software engineer.

## Education

- CGPA: 3.85 out of 4
- Duration: Jan 30, 2020 - Feb 15, 2024
- B.Sc. in Computer Science & Engineering,
- Southeast University, Dhaka, Bangladesh

## Skills

- |           |                   |             |             |               |              |          |
|-----------|-------------------|-------------|-------------|---------------|--------------|----------|
| • Java    | • Thymeleaf       | • Websocket | • HTML      | • JavaScript  | • MySQL      | • Git    |
| • JavaFX  | • Spring Boot     | • JDBC      | • CSS       | • JQuery      | • MongoDB    | • GitHub |
| • Servlet | • Spring Security | • Hibernate | • Bootstrap | • Angular     | • AJAX       | • GitLab |
| • JSP     | • Postman         |             | • Tailwind  | • Material UI | • Typescript | • Heroku |

## Experience

- **Nov 2022 - Feb 2024 • 1 year 3 month**  
Southeast University | Dhaka, Bangladesh  
**Programming Assistant • part-time**
  - Frontend Architecture:
    - Constructed core architecture using Angular Framework (Lazy Loading) for ums.seu.edu.bd which is used by 800 employees and 5000+ active students.
    - Optimized the initial load time by reducing the initial bundle size from 13 MB to 4 MB.
  - Authentication and Security:
    - Implemented JWT token-based authentication and increased 80% security through two-factor authentication.
  - Navigation Bar Design:
    - Architected the navigation bar for 8 different modules, granting users access based on their designation as defined by the HR.
  - Learning Management System (LMS):
    - Developed LMS for ERP project, including 3 school & 8+ active departments curriculum, course advising, and evaluations.
  - Supply Chain Management Module:
    - Collected requirements, and building module from scratch, aligning with user workflows of 6 types department.

## Projects

### 1) Doctors Care

- > Constructed using Spring boot 2.7 framework with spring security
- > Included chatting features with WebSocket with only 1% latency
- > ORM technology Hibernate was used to integrate with MySQL to increase work productivity by 50%

GitHub Link: <https://github.com/Rakib-Hasan-455/DoctorsCare-Spring-Boot-Application>

### 2) Hotel Management System

- > Created using JavaFX and JFoenix material UI design to look 50% more attractive & better user experience
- > Role based user (customer, manager, admin) and it has more than 20 panels which are shown based on role
- > Used MySQL database with JDBC connector to store and use data effectively

GitHub Link: <https://github.com/Rakib-Hasan-455/Hotel-Management-System-JavaFx>

## Recent Achievements

- Released the 2nd Version of SEU UMS in 2023
- Grand Finalist & 4th in Therap JavaFest 2022
- 4th in SEU Intra University Programming Contest 2022