

# Rakibul Hasan

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## PROFESSIONAL SUMMARY

Results-driven Software Engineer with 2+ years of experience in developing scalable web applications using Java, Spring Boot, and Angular. Proven expertise in optimizing API performance, implementing multi-tenant architectures, and delivering secure, user-centric solutions. Passionate about solving complex problems and contributing to innovative projects.

## PROGRAMMING SKILLS

- **Languages** : Java, JavaScript, TypeScript
- **Frameworks** : Spring Boot, Spring MVC, Hibernate
- **Security** : Spring Security, JWT, JSession, OATH
- **APIs and Protocols** : REST API, WebSocket
- **Database** : PostgreSQL, MySQL, MongoDB
- **Reporting Tools & Diagram** : Jasper Reports, Apache POI, GoJS
- **Build tools & Web Servers** : Maven, Tomcat
- **Testing & Logging** : JUnit, Postman, SLF4J
- **Front-End Technologies** : Thymeleaf, JSP, Servlet, HTML, CSS, Bootstrap, Tailwind, jQuery
- **Familiar Frameworks/Libraries** : Angular, Angular Material UI, React, NextJS, Jotai
- **Versioning tools** : Git, GitHub, GitLab, Bitbucket
- **Cloud Platforms** : Heroku, Render, Netlify
- **Collaboration Tools** : Jira, Slack, Microsoft Teams

## EXPERIENCE

- **Arollo Tech Limited** DOHS Baridhara, Dhaka  
*Assistant Software Engineer (Full-time) - Hybrid* *Mar 2024 - Present*
  - **Multi-Tenant Project - [click-n-manage.com](#)** : Worked on a live project serving 60+ European companies, implementing multi-tenant architecture to optimize resource usage and performance.
  - **API Optimization**: Improved mobile application loading time by 10x through optimization of legacy REST API code.
  - **Feature Development and Bug Fixing**: Developed new features and resolved bugs in a Java-based enterprise application, ensuring timely delivery of updates.
  - **Code Reviews**: Conducted thorough code reviews to uphold code quality and maintainability standards.
  - **Collaboration**: Collaborated with cross-functional teams to gather requirements and deliver high-quality software solutions.
- **Southeast University** Tejgaon, Dhaka  
*Programming Assistant (Part-time) - Onsite* *Nov 2022 - Feb 2024*
  - **Core Architecture for UMS - [ums.seu.edu.bd](#)** : Constructed the core architecture using the Angular framework with Lazy Loading, serving 5000+ active users.
  - **Bundle Optimization**: Reduced the initial bundle size from 13 MB to 4 MB, significantly improving initial load time.
  - **Authentication and Security**: Implemented JWT token-based authentication and enhanced security with two-factor authentication.
  - **Role-Based Navigation**: Architected a navigation bar granting access based on user designation as defined by the HR module.
  - **LMS for ERP Project**: Developed a Learning Management System (LMS) with features like batchwise curriculum, course advising, and anonymous evaluations.
  - **Supply Chain Management Module**: Gathered requirements and built the module from scratch, aligning with user workflows for supply chain management.

## PROJECTS

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- **Doctors Care**

- **Core Architecture:** Constructed using the Spring Boot framework with Spring Security.
- **Payment Gateway Integration:** Integrated SSLCommerz payment gateway (sandbox) to enable automated transaction processing.
- **Private Chatting Feature:** Included private chatting features with WebSocket.
- **Email Notification Service:** Developed email notification service for admins to communicate with users.
- **Technology Stack:** Spring Boot, Thymeleaf, JQuery, Hibernate, WebSocket, MySQL.

- **Hotel Management System**

- **Core Architecture:** Created using JavaFX and JFoenix material UI design.
- **Role-Based Functionality:** Implemented role-based users (customer, manager, admin) with functionalities based on roles.
- **Database Integration:** Used MySQL with JDBC connector for database management.
- **Technology Stack:** JavaFX, JFoenix, iTextPdf, JDBC, MySQL.

- **Pickachu Online Shop**

- **Web Application for E-commerce:** Developed a web application for Pickachu Online Shop where customers can log in and purchase desired products.
- **Admin Functionality:** Implemented admin functionality for store managers to add, update, and manage products in the store.
- **User Authentication:** Integrated user login and registration system with secure authentication for customers.
- **Database Management:** Used MySQL to manage product data, user information, and order history.
- **Responsive Design:** Created a responsive and user-friendly front-end using HTML, CSS, JavaScript, and Bootstrap for seamless customer experience.
- **Technology Stack:** Spring MVC, Servlet, JSP, MySQL, HTML, CSS, JavaScript, Bootstrap.

## ACHIEVEMENTS

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- **Therap JavaFest 2022** : Grand Finalist and 4th place in Therap JavaFest 2022.
- **SEU Intra University Programming Contest 2022** : Secured 4th place in the SEU Intra-University Programming Contest 2022.

## CERTIFICATIONS

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- **Java From Basic to Professional** — 5th batch by Syed Mainul Hossain
- **Master Generative AI with Java and Spring Boot, Spring AI** — Udemy course by Shabbir Dawoodi

## EDUCATION

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- **Southeast University**

*Bachelor of Science in Computer Science and Engineering ; CGPA: 3.85*

Tejgaon, Dhaka

*Mar. 2020 – Feb. 2024*