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# Rakibul Hasan

## Software Engineer

Portfolio: [rakib-hasan-455.github.io](https://rakib-hasan-455.github.io)  
[github.com/rakib-hasan-455](https://github.com/rakib-hasan-455)  
[linkedin.com/in/rakibul-hasan-0455](https://linkedin.com/in/rakibul-hasan-0455)

Software Engineer with 2+ years of experience designing and scaling secure, multi-tenant web applications using Java, Spring Boot, and Angular. Delivered 12+ production features, optimized APIs with up to 3× performance gains, and supported platforms used by 10,000+ active users.

### SKILLS

Languages	:Java, JavaScript, TypeScript
Backend	:Spring Boot, Spring Framework, Spring MVC, Hibernate, Spring Security
Frontend	:Angular, React, HTML, CSS, Tailwind CSS, Thymeleaf
Databases & Caching	:PostgreSQL, MySQL, MongoDB, Redis
DevOps & Tools	:Docker, Maven, Git, Tomcat, JUnit, Postman
Reporting & Utilities	:JasperReports, Apache POI, GoJS

### WORK EXPERIENCE

**Software Engineer** **Mar 2024 — Present**  
*Arollo Tech Limited* *Baridhara DOHS, Dhaka*

- Enhanced key modules of [click-n-manage.com](https://click-n-manage.com), a multi-tenant, multilingual ISO certification platform used by 60+ European organizations, improving system scalability, performance, and tenant isolation.
- Optimized legacy REST APIs, cutting mobile app load times by up to 3× and significantly improving data throughput.
- Delivered 12+ production features and resolved 30+ critical bugs, ensuring on-time releases across 4 quarterly cycles.
- Conducted 50+ code reviews, improving code quality and reducing post-release defects by 20%.
- Coordinated with QA, product owners to deliver 10+ end-to-end features, reducing rework by 20% and accelerating release time.

**Programming Assistant** **Nov 2022 — Feb 2024**  
*Southeast University* *Tejgaon, Dhaka*

- Architected the [ums.seu.edu.bd](https://ums.seu.edu.bd) core using Angular with lazy loading, supporting 10,000+ active users.
- Reduced initial application bundle size from 13MB → 4MB, improving load speed and performance.
- Implemented JWT authentication, 2FA to secure user accounts and Google Captcha for preventing bot attacks by 90%.
- Dynamic multi-theme navigation for 100+ user roles, enabling personalized access based on HR-defined designations.
- Developed 3 major LMS components - batch-wise curriculum, advising workflows, and anonymous evaluation forms—streamlining course management for 250+ faculty and 10+ departments.

### PROJECTS

**Doctors Care — Medical Service Platform | [Github](#) | [Demo](#)** **July 2022 — Oct 2022**

- Architected core backend architecture with Spring Boot, Spring Security, Hibernate, and MySQL.
- Integrated SSLCommerz payment gateway (sandbox), enabling 99% automated and secured online transactions.
- Real-time private chat with WebSocket and implemented email notifications, improving communication efficiency by 99%.

**Hotel Management System — Desktop app | [Github](#) | [Demo](#)** **Dec 2021 — Mar 2022**

- Developed a desktop hotel management system with JavaFX + JFoenix, handling 3 user roles (customer, manager, admin).
- Integrated MySQL via JDBC and automated role-based operations, reducing manual errors by 30%.
- Generated PDF reports with iTextPDF for daily revenue and occupancy summaries.

**Pickachu Online Shop — E-commerce Web App | [Github](#)** **Mar 2022 — June 2022**

- Order-management modules with Spring MVC, JSP, Servlet, and MySQL, supporting carts with 2,000+ products.
- Admin panel for shop, optimized responsive UI with HTML, CSS, JS, Bootstrap, etc and reduced checkout time by 25%.

### ACHIEVEMENTS

Grand Finalist (4th place) — Therap JavaFest 2022 July 2022 — Oct 2022  
4th place — SEU Intra-University Programming Contest 2022 Aug 2022

### EDUCATION

**Bachelor of Computer Science and Engineering** **Jan 2020 — Dec 2023**  
*CGPA: 3.85/4.00, Southeast University* *Tejgaon, Dhaka*

### CERTIFICATIONS

Master Generative AI with Java Spring Boot — [Udemy](#) (Shabbir Dawoodi) Mar 2025  
Java From Basic to Professional — [Pondit](#) (Syed Mainul Hossain) Nov 2022 — Oct 2023