MOAZ MAHMUD

Dhaka, Bangladesh

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Software Engineer with 2+ years of professional experience in designing and implementing efficient, highly available, scalable, and maintainable backend, clean responsive, and accessible frontend. Self-organized learner with a strong sense of responsibility and growth mindset. Proficient in effective collaboration and communication with people from different backgrounds.

PROFESSIONAL EXPERIENCE

Enosis Solutions, *Dhaka, Bangladesh*

Senior Software Engineer   March 2023-Present

Tech Stack: *Angular, Typescript, Java, Spring*

REVE Systems, *Dhaka, Bangladesh*

Software Engineer   March 2022-March 2023

Worked as a Full Stack Engineer to build office management tools for the 150+ Parliamentary Committees of Bangladesh National Parliament.

- Managed and supervised a team of three Junior Engineers, ensuring the timely delivery of user feedback and bug fixes well in advance of the project deadline by a period of 2-3 months.
- Built a Jenkins pipeline to automate deployment which made the deployment time 2-3 times faster.
- Resolved a connection leak issue in the internal database connection framework, effectively eliminating connection deadlock and improving the application's responsiveness by 10-20%.

Tech Stack: *Java Servlet, JSP, Maven, MySQL, HTML, CSS, Javascript, jQuery, Bootstrap*

Worked as a Backend Engineer to build microservices in Bond License Application System for National Board of Revenue which automates application process for 10,000+ users of the rapidly growing import-export industry of Bangladesh.

- Integrated with internal HTML to PDF generation API which reduced PDF download time by 50%, reduced PDF size by 30% and drastically improved PDF quality.

Tech Stack: *Java, Spring Boot, Gradle, JPA, Oracle*

Junior Software Engineer   February 2021-March 2022

Worked as a Full Stack Engineer to develop an Employee Management System for Bangladesh National Parliament with 5,000+ employees.

- Built and maintained 2 reusable components with vanilla Javascript which reduced boilerplate code by 10% and used by 3 other teams.
- Refactored 20% legacy Java code of the codebase into declarative style with Java Streams which reduced boilerplate, accidental complexity, and increased code maintainability.
- Implemented batch fetching in internal report generation framework which solves n+1 problem and reduces report generation time by over 50%.
- Collaborated closely with the IT department of the Parliament to organize and deliver 10+ training sessions for over 200 employees to effectively communicate complex technical concepts to a diverse audience, with more than 60% of the participants being less experienced with technology.

Tech Stack: *Java Servlet, JSP, Maven, MySQL, HTML, CSS, Javascript, jQuery, Bootstrap*

EDUCATION

Bangladesh University of Engineering and Technology, *Dhaka, Bangladesh*

Bachelor of Science (BSc) in Computer Science and Engineering   February 2016-February 2021

CGPA 3.56/4.0

SKILLS

- **Programming Languages**: Java, Javascript, C++, Python
- **Frameworks, Libraries and Tools**: Java Servlets, JSP, Maven, Spring Boot, Hibernate, Spring Data JPA, Junit5, Mockito, Git, Gradle, Node.js, jQuery, Bootstrap, Angular.io, Typescript
- **Databases**: MySQL, Postgres, Oracle
- **Technologies**: Microservices, REST API, Ajax

VOLUNTEER EXPERIENCE

Bangladesh Mathematical Olympiad

Academic Team Member   December 2015-Present

- Conducted 12+ regional math olympiads, 4+ national olympiads.
- Set 20+ questions, checked many exam scripts in the olympiads.
- Took classes on various math topics, organized math contests in 10+ math camps.