

# Siratul Islam

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[Github](#) | [LinkedIn](#)

## SKILLS

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### Languages and tools

- Strong proficiency in C#, Typescript, Javascript, Kotlin, C++, Rust, Python, HTML/CSS/SASS.
- Experience with Angular, ASP.NET Core, SignalR, Websocket, Node.js, Git, Bash, Linux, GCP.

## PROJECTS

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### Social Media Platform (Angular, ASP.NET Core, SignalR, Docker)

[Github](#) | [Live](#)

- Designed and developed a minimalist social media platform with real-time chat, post creation, and commenting features, as well as the ability for users to upload photos.
- Secured user authentication by implementing JSON Web Tokens (JWT) and password encryption to protect sensitive user data.
- Utilized ASP.NET Core SignalR to implement real-time chat functionality, resulting in improved user engagement and communication.
- Deployed the user interface and web API on separate servers and utilized RESTful API for seamless communication between the two, ensuring efficient performance.

### E-Commerce Platform Android / Web (Angular, ASP.NET Core, PostgreSQL)

[Github](#) | [Live](#)

- Built an e-commerce platform that empowers users to search, filter, buy, and sell products efficiently..
- Developed the platform using ASP.Net Core, Angular, and PostgreSQL for data persistence.
- Created a mobile version for Android using Jetpack Compose and Kotlin, resulting in improved accessibility for users.
- Decoupled the user interface and web API layers and established a stateless connection through REST API for enhanced scalability.
- Containerized the backend using Docker and deployed to GCP Cloud Run for easy maintenance and efficient performance.

### MCQ Exam Platform (Angular, ASP.NET Core, PostgreSQL, Docker)

[Github](#) | [Live](#)

- Developed an online MCQ examination platform that supports complex mathematical expressions using Mathjax.
- Implemented a timer feature to ensure the completion of exams within a specified time frame.
- Provided the capability for users to print exam results as PDFs and export submission logs as spreadsheets for record keeping.
- Utilized PostgreSQL to store data and deployed the platform on Google Cloud Run using Docker for efficient performance and easy maintenance.

## EXPERIENCE

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### ICT Club Co-coordinator | NCPSC:

Sep 2020 – Dec 2022

- Operated the renowned ICT Club of the college.
- Managed students and their problems.
- Performed various duties regarding network infrastructure.

### IT Teaching Assistant | NCPSC:

Oct 2021 – Nov 2022

- Gave lectures on various programming concepts and languages.
- Led students to create projects that facilitate skill development.
- Taught students to work in a team environment.