

Md. Sakib Khan *Software Engineer*

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📁 EXPERIENCE

Therap (BD) Ltd [🔗](#)

Dec 2021 – present | Dhaka, Bangladesh

Associate Software Engineer

- **Reviewing** the **source code** for each feature developed by the team to **ensure** the **code quality**.
- **Refactored** existing code for **fixing bugs** in the system reported by the service providers.
- **Received** three months of **training** on the company's current **tech stack** after joining.
- **Learned About Security Awareness Fundamentals**, HIPPA & Personal Health information.
- Technologies: **Java, Spring MVC, JSP, JDBC, Hibernate, JPA, MyBatis, SQL, Gradle**.

Circle Data Processing & Research Center [🔗](#)

Mar 2021 – Nov 2021 | Dhaka, Bangladesh

Junior Software Engineer

- **Conducted research** to identify suitable software **solutions** for information management systems.
- **Developed POC** to test the feasibility of the solution which boosted the **decision-making** process by **50%**.
- **Created reusable components** using **React JS**, resulting in **60% faster** frontend development.
- **Reduced the code complexity** for state management by **40%** using the **Redux** state management tool.
- **Developed REST API** services for several information management systems using **Express & Nest JS**.

🧠 SKILLS

Languages (Java , JavaScript, ES6, Python.), **Frontend** (React JS, Redux, jQuery, HTML, CSS, Bootstrap.), **Backend** (Spring MVC, Spring Boot, JDBC, Hibernate, Node JS, Express JS, Flask.), **Database** (MySQL, MongoDB.), **Developer Tools** (IntelliJ Idea, VS Code, WebStorm, Docker, Postman.), **Version Control** (Git, GitHub, Bitbucket.)

📁 PROJECTS

[1] Connect Doctor-Patient [🔗](#)

Feb 2022 – Mar 2022

Java, Spring MVC, Hibernate, JPA, MySQL, JSP

- **Developed** an application for **connecting doctor & patient** to get feedback on medical issues and fix appointment.
- **Processed** patient's medical issue **data** to display them at the doctor's end that matches the doctor's expertise.
- **Provided features** include giving the patient early **feedback** or **schedule** an **appointment** if the issue is severe.

[2] Attribute Matching & Face Recognition API [🔗](#)

Jun 2021 – Jul 2021

Python, Flask, Deep face, Fuzzywuzzy

- **Designed & Developed** an **API** that returns similarity **scores** between matched attributes with over **95%** accuracy.
- **Performed facial recognition**, allowing this API to provide a list of matched photographs in order to avoid fraud.

[3] CNN-XGBoost Fusion-based Affective State Recognition through EEG Analysis [🔗](#)

Jan 2020 – Jan 2021

Python, Numpy, Pandas, Matplotlib, 2D CNN, XGBoost, TensorFlow, OpenCV, Keras.

- **Performed Brain Signal Processing** using **Machine Learning, Neural networks** to determine human **emotion**.
- **Accuracy** over **99%** was **achieved** in predicting high and low classes for arousal, valence, and dominance.

🎓 EDUCATION

BRAC University [🔗](#)

2021 | Dhaka, Bangladesh

B.Sc in Computer Science & Engineering (CSE)

- **CGPA:** Computer Science Courses Average : **3.76/4.0**, Overall: **3.58/4.0**.

</> ONLINE PROGRAMMING / CERTIFICATIONS

URI Online Judge (beecrowd) [🔗](#)

Sep 2017 – Sep 2019

- Solved 168+ Problems largely in Java.

EDX: Programming for the Web with JavaScript | PennX [🔗](#)

Jul 2020 – Jul 2020

EDX: Python for Data Science | IBM. [🔗](#)

Jul 2020 – Jul 2020