

Md. Sakib Khan

+8801918779365 hrk.sakib@gmail.com in md-sakib-khan md-sakib-khan Portfolio

EXPERIENCE

Therap (BD) Ltd, Associate Software Engineer Dec 2021 – present | Dhaka, Bangladesh

- Developed new features that are utilized by several service providers, improving the user experience by 30%.
- Performed code reviews of each feature developed by the team, accelerating merging and release by 25%.
- Refactored existing source code to fix bugs in the system reported by the service-providing organizations.
- Received three months of in-depth training on the company's current tech stack, HIPAA & PHI after joining.
- Technologies: Java, Spring Boot, Spring MVC, JSP, JDBC, Hibernate, JPA, MyBatis, Oracle SQL, Gradle.

Circle Data Processing & Research Center, Mar 2021 – Nov 2021
Junior Software Engineer Dhaka, Bangladesh

- Conducted extensive 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%.
- Designed and created reusable components using React JS, resulting in 60% faster frontend development.
- Implemented Redux, an incredibly maintainable state management tool, that ensured a single source of truth.
- Developed REST API services for several information management systems using Express JS, Nest JS & Flask.

EDUCATION

BRAC University, B.Sc. in Computer Science & Engineering (CSE) 2021 | Dhaka, Bangladesh

- CGPA: Computer Science Courses Average: 3.76/4.0, Overall: 3.58/4.0 (Distinction).

PUBLICATION

CNN-XGBoost Fusion-based Affective State Recognition through EEG Analysis, Scientific Reports - Nature (Impact Factor : 4.99) 19 Aug 2022

- Performed brain signal processing to determine human emotions and achieved an accuracy of over 99%.
- Technologies / Algorithms: Python, Numpy, Pandas, STFT, 2DCNN, XGBoost, Tensorflow, OpenCV, Keras.

PROJECTS

Connect Doctor-Patient, Feb 2022 – Mar 2022
Java, Spring Boot, Hibernate, JPA, MySQL, JSP, Gradle

- Developed an application to allow patients to keep track of their medical history and any new medical issues.
- Processed patient's medical issue data to display at the doctor's end that matches the doctor's expertise.
- Made it possible for doctors to provide preliminary feedback or schedule an appointment for severe issues.

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.

PROGRAMMING / CERTIFICATIONS

URI Online Judge (beecrowd) Sep 2017 – Sep 2019

- Solved 168+ problems, largely in Java.

Udemy : Spring Framework 5 : Beginner to Guru Feb 2022 – May 2022

EDX: Programming for the Web with JavaScript | PennX Jul 2020 – Jul 2020

SKILLS

Languages

Java , JavaScript, ES6, TypeScript, Python.

Frontend

React JS, Redux, jQuery, JSP, HTML, CSS, Bootstrap, Material UI.

Backend

Spring MVC, Spring Boot, JDBC, Hibernate, MyBatis, Node JS, Express JS, Nest JS, Flask.

Database

MySQL, Oracle SQL, MongoDB.

Developer Tools & IDE

IntelliJ Idea, Visual Studio Code, WebStorm, PyCharm, Docker, Postman.

Version Control

Git, GitHub, Bitbucket.