

# Jahir Raihan Joy

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## SUMMARY

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I'm a curious software engineer who loves tackling challenges and building efficient, real-world solutions. Always excited to learn new things and improve my skills. I thrive in collaborative environments and enjoy working on projects that make a real impact. Current stack is **Python, Javascript, Django, DRF, FastAPI, React, Sass** and is always open to new technologies.

## SKILLS

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Python, Javascript, Django, FastAPI, Html, Css, Sass, Git, Github, Sql, Django Rest Framework, API, UnitTesting, TailwindCSS, Vue.js, React

## CONTEST & PROBLEM SOLVING ACTIVITIES

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- Solved **500+** problems on platforms including [LeetCode](#), [CodeChef](#), [HackerRank](#), [Toph](#), [Codeforces](#).
- ICPC 2023 regional finalist, Code Samurai 2022 finalist, ITVerse Datathon 2023 finalist.
- Participated in Google Gemini Api Developer Contest, BD Apps hackathon and Quant hackathon.

## PROFESSIONAL EXPERIENCES

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### Software Engineer - Remote

Jan 2024 - Current, Dhaka - Bangladesh

#### Qttec Solutions Limited

- Participated in Design & Implementation of **Subscription Module & Ad System** distributing ads to a user base of **500k+**.
- Executed implementation of new search algorithm reducing response time by **75%**.
- Implemented **caching** mechanism with **compression system** reducing **cache size 70%** and **response time by 55%**.
- Applied first stage **recommender** system for video recommendation leading user **satisfaction by 50%**.
- Improved & optimized business critical apis improving response time by **60% on average** by limiting queries.
- Collaborated with a **team of 4** to enhance and implement studio and advertisement panels using **react/nextjs**.
- Participated in R & D of summarizer algorithm for activity data, enhancing RU's uses of cosmos db for Ad System.

## PROJECTS & CONTRIBUTIONS

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**Traffic Pass** : Developed a traffic checker system for police to free the hassle of checking vehicles in multiple locations.

**Traffic Complaint** : Implemented a **complaint system** where users will be able to complaint about traffic crimes directly to traffic police with a rich and easy to use interface integrated with **gemini API** by uploading images or video.

**Sporting Club** : Developing a **Sporting Club Booking System** for booking grounds online with handling collisions.

**E-commerce Website** : Developed a functional **E-Commerce** web application for managing online clothes stores.

**Calendar Generator** : Built as an open source learning project, contributed **generator** functionality including UI skeleton Development, download functionality, and weekend marking for specified regions added by contributors.

**Geo Geo App** : Crawls the web for given websites of BD for data to render government project details and their locations.

**E-Ticketing** : Developed a basic online ticket booking system for bus networks with collision handling mechanism.

**Url Shortener** : Simple url shortener application to generate shortened url for a given url using SHA1, and UUID4 algorithm

## OPEN SOURCE

- Fixed error handling logic in checkdmrc for spf and dmarc invalid exception propagation on string modular element.

## EDUCATION

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### Compact Polytechnic Institute, Feni

August 2019 - January 2024

#### Diploma in Engineering

- **Major** : Computer Science and Technology
- **CGPA Overall** : 3.66/4.00