MD PABEL

Software engineer

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GitHub | LeetCode | Portfolio | HackerRank

EDUCATION

Comilla University   Cumilla, Bangladesh
Bachelor of Science (BSc) in Engineering in Information and Communication Technology (ICT)   Nov 2016 -
Dec 2021
CGPA: 3.33/4.00

EXPERIENCE

Freelance Developer | Malware and Virus Analyst   Jul 2018 - Present

- Worked on contract and freelance basis, **fixed over 2700 websites.**
- Analyze malware samples and determine the nature and severity of threats to client websites.
- Successfully removed malware from over **1700 client sites across 45% of countries worldwide**, minimizing the impact of the attacks.

SKILLS

Programming Languages:	Javascript, Typescript, Python, SQL, C++
Libraries/Frameworks:	React, Next.js, Node.js, Express.js, Tailwind CSS, React Native, ZUstand redux
Tools / Platforms:	Git, Github, Firebase
Databases:	MySQL, MongoDB, Redis

PROJECTS / OPEN-SOURCE

Real-Time Bus Tracking System | Github   *Javascript, nodejs, expressjs, redis, Firebase, mongodb, react-native, socket.io, IoT sensors*

- Developed a Real-Time Bus Tracking System as my BSc final year project, utilizing JavaScript, Node.js, Express.js, MongoDB, React Native, Socket.io, Redis, and IoT sensors.
- **Implemented WebSocket real-time communication protocol between the NodeMCU, Node.js server, and React Native client using Socket.io.**
- **Utilized Redis to optimize GPS location information for faster bus tracking, leveraging the Redis GeoSearchWith API to retrieve sorted results for the user.**
- **Successfully demonstrated the application's functionality and effectiveness in tracking buses in real-time, receiving positive feedback from the project advisors and users.**

NextGenWordPress | Live Github   *Typescript, NextJS, Stripe, Prisma, MongoDB, Zustand Pusher, Clerk, Cloudinary, Tailwind CSS, WordPress*

- Established a **seamless subscription system with Stripe for efficient billing and maintenance services, improving client satisfaction.**
- Integrated **Pusher for real-time live support**, enhancing user engagement and customer support capabilities.
- Successfully integrated **Clerk Authentication** for secure user registration and login processes.
- Utilized **Prisma and MongoDB to manage user data** and store critical application information securely.
- Ensured secure **file uploads and management through Cloudinary.**
- Achieved a perfect **Lighthouse score of 100**, demonstrating exceptional website performance and optimization.

PROBLEM SOLVING & TECHNICAL ACHIEVEMENTS

- Successfully solved over **700 data structure and algorithm-based problems & 100+ database related problems** on various platforms like LeetCode, HackerRank, geeksforgeeks, and Codeforces.
- Successfully fixed over **2700 malware-infected websites** by analyzing and removing malicious code.