

MD Nayeem Jahan Rafi

Software Engineer

Software Engineer with 2 years of experience in producing clean and maintainable codes. Electrical Engineering graduate with a good understanding of Algorithms, Data Structures & OOP having 6+ years of problem-solving experience.

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EXPERIENCE

Software Engineer

Samsung R&D Institute Bangladesh 🌐

11/2018 - Present

Achievements/Tasks

- Developed Veosens(IOS), a health companion that provides users with accurate health status and other goal-driven features. 🌐
- Passed Samsung SWC Professional test on the first attempt, a coding competency exam for all Samsung engineers globally.
- Mentored colleagues learn data structures and algorithms.
- Implemented UI, backend, utility Modules independently, and written Unit tests for them.
- Built Android and Wear OS POC's of application ideas.
- Attempted patents in the area of smart rings and Bluetooth network for wearable devices.

PERSONAL PROJECTS

Arkantos (08/2020 - Present)

- An android application for browsing and searching video games 🌐
- Used NodeJs, Firebase Auth, Firebase Storage in Backend 🌐

Burger Builder (07/2020 - Present) 🌐

- A React application to visually build a burger with ingredients 🌐

Online Judge (06/2020 - Present) 🌐

- A web application to execute code online (Similar to Ideone).
- Compilation and execution in backend is implemented using NodeJs. 🌐
- Frontend Implemented using ReactJs and Ace Editor. 🌐

Ecommerce Web App (08/2019 - Present) 🌐

- An online shop clone (including checkout + payments).
- Built Using Node JS, Express and MongoDB.

Online Judge Code Downloaders (09/2019 - 10/2019) 🌐

- Scripts for downloading Accepted codes from different online judges.
- Used Selenium Webdriver with Python.

Cloud based Medical Assistance (02/2018 - 03/2018)

- A Service to digitize the healthcare industry.
- Designed and Developed an android app and a windows app (used .net framework, c#).
- Used a MySQLInstance of google cloud for the backend Database.
- Used Arduino and some sensors (Temperature Sensor, Heart Rate Sensor) for the hardware prototype and It can connect and send real-time data to the apps via Bluetooth.

EDUCATION

Bachelor of Science in Electrical and Electronic Engineering

University of Dhaka

01/2014 - 08/2018

CGPA: 3.28 / 4.00

SKILLS

Data Structures

Algorithms

C++

IOS

Swift

Android

Kotlin

NodeJS

Javascript

Firebase

Git

SQL

ACHIEVEMENTS

82th at Google KickStart Round D (2020) 🌐

ID: NJRafi, (Ranked 2nd from Bangladesh)

300th at Google Hash Code (2020) 🌐

Team: Globetrotters, (Ranked 1st from Bangladesh)

335th at Facebook Hacker Cup 2019 (2019) 🌐

ID: NJ Rafi, (Ranked 2nd from Bangladesh)

6th at ACM ICPC Dhaka Regional (2018) 🌐

Team: Du_Simplicity

8th at ACM ICPC Dhaka Regional Preliminary (2018) 🌐

Team: Du_Simplicity

8th at IUBAT NCPC (2018) 🌐

Team: Du_Simplicity

14th at GUB NCPC (2018) 🌐

Team: Du_Simplicity

Champion at NSU Power Programming Contest (2018) 🌐

Team : Du_DudhBhaat

18th at ACM ICPC Dhaka Regional (2017) 🌐

Team: Du_Defenders

14th at IUT 8th ICT Fest Programming Contest (2016) 🌐

Team : DU_Hufflepuffs

ONLINE PROFILES

CodeForces 🌐

Max Rating: 2033 (Ranked in top 30 from Bangladesh)

HackerRank 🌐

Max Rating: 2275 (Ranked in top 30 from Bangladesh)

ADDITIONAL EXPERIENCE

Problem Setter (2019 - Present)

Algorithmic problem setter for Samsung internal contests, and national contests.