

Farhan Saif

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summary

Aspiring software developer specializing in backend development with research interest in computer security , more inclined to reverse engineering and vulnerability research.

education

BSc in Computer Science And Engineering
Islamic University of Technology
Gazipur, Dhaka

Fall 2019 - Summer 2022

technical skills

•Languages

Programming— Python , C/C++ , Javascript/Typescript , Dart , Java

Scripting— Bash, Python

Markup— HTML, CSS, Markdown, L^AT_EX

•Frameworks

Web Frontend— React, Tailwind

Web Backend— Flask , NodeJs(Runtime), Express.js Sequelize, Auth0.

Database— PostgreSQL, Firebase Cloud Firestore, MongoDB

Mobile Development— Flutter

•Others

REST API, Git, Github Workflow, Test Automation, Nginx, Server Administration.

relevant projects

•Web Application

AutoResuma— AutoResuma is an web application to generate job-specific Resume for programmers. I developed the REST api and implemented jwt authentication. It's stack includes react, redux, chakra in the frontend and express.js with sequelize orm and postgres in the backend.

FridgeFoodies— FridgeFoodies is an web application to search for recipe from ingredients available in a fridge. I worked on the backend and implemented secured api authentication. It's stack includes react, redux, chakra in the frontend and express.js and postgres in the backend.

•Mobile Application

LifeLine— LifeLine is an Electronic Health Record application. It has blood donation, doctor-patient validation, blood group finder and many more modules. Tech stack includes flutter, cloud firestore and google map api.

•Terminal

Otris— Terminal based clone of tetris, works cross platform. Manipulation of unix terminal commands and multithreading was useful in this case. Built it using C++.

Clox-Engine— An interpreter for educational language Lox. Written in C. Mostly low level programming with a custom made virtual machine.

Jlox-Engine— An interpreter for educational language Lox, written in java.

competitions

•Capture-The-Flag

2021— 26th, National Cyber Drill, 2021

2021— 10th, IEEE Inter-University CTF, BUET

•Programming Competition

2019— 12th, Intra-University Programming Competition, IUPC

volunteering

•IUT Chess Society

Founding member of the chess society at IUT and regularly organised competitions for intra and inter university championships.