Farhan Saif

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summary

Aspiring software engineer specializing in backend development with research interest in computer security, more inclined to reverse engineering and malware analysis.

education

BSc in Computer Science And Engineering   Fall 2019 - Summer 2022
Islamic University of Technology
Gazipur, Dhaka

High School Certificate   2018
Notre Dame College
Motijheel, Dhaka

technical skills

•Languages

Programming— Python , C/C++ , Javascript/Typescript , Dart , Java
Scripting— Bash, Python
Markup— HTML, CSS, Markdown, LaTeX

•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 Adminstration.

projects

•AutoResuma

AutoResuma is a web application to generate job-specific Resume for programmers. I developed the REST api for users and implemented jwt authentication. Developed using react, tailwind, chakra and redux in the frontend and nodejs runtime with express.js and postgresql and sequelize in the backend.

•LifeLine

LifeLine is an Electronic Health Record application which has blood donation, doctor-patient validation, blood group finder , QR code scanning and many more modules. I worked google maps api integration and user data management implementing blood group finder feature and user profile feature. Developed with flutter framework , cloud firestore and google map api integration.

•Otris

Clone of tetris, works cross platform, manupulation of unix terminal commands and multithreading was useful in this case.

•Jlox-Engine

A jvm based interpreter for educational language Lox, written in java, used vistitor pattern extensively.

•Clox-Engine

An interpreter for educational language lox, which is developed on top of a custom virtual machine which is also written using C.

•VirgilTex

A text editor like vim written from scratch using C. Extensive use of unix system calls api and manipulation of unix commands.

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