Farhan Saif

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education

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

technical skills

•Languages

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

•Frameworks

Web Frontend— React
Web Backend— Flask , NodeJs(Runtime), Sequelize, Auth0
Database— PostgreSQL, Firebase Cloud Firestore, Mongodb
Mobile Development— Flutter

•Others

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

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 recipie 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. Manupulation of unix terminal commands and multithreading was useful in this case. Built it using C++.

VirgilTex— A terminal based application to make a texteditor like vim form scratch in 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.

volunteering

•IutForces(2021)

Been with the development of IutForces, an internal competitive programming site for IUT students.

competitions

My team IUT Binary has achieved 26th position among 300 teams in National University Cyberdrill, 2021, organised by BGD e-Gov CIRT.

Also 10th in an BUET IEEE organised Capture-The-Flag competition.

I mostly focus on reverse engineering and binary exploitation.