Monir Hossain

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LinkedIn | Problem Solving Profiles | Github

EXPERIENCE

Software Engineer & Researcher   Aug 2022 - April 2023
MetroScientific, San Jose, California, USA
- Key Responsibilities: Linux Kernel design for storage drive using C & C++, research and development of computational storage drive(CSD) interface operating system, Nvme ssd interfacing, direct read/write method implementation for kernel block device driver in AWS.

Intern   17.04.22-28.04.22
Selise Digital Platforms, Bangladesh
- Nodejs,Angular,Typescript,Mongodb,AWS,

TECHNICAL STRENGTHS

Technical
- Languages   : C , C++ , Nodejs , Typescript , Go ,Python , Javascript , CSS,Shell script
- Frameworks   : Angular , ReactJS, Bootstrap , Express.js ,Qt.
- Databases   : MySQL, Mongodb,RocksDB.
- Interests   : Mathematics, Problem Solving, Machine Learning.
- Others   : Algorithms, Data Structure ,Linux,Git , AWS, Google Cloud.

Problem Solving
- Codeforces   : (Specialist) Solved 1300++ problems (handle: Monir)
- Codechef   : 4* Programmer (handle: monir-ruet)
- Atcoder   : handle (monir82)

PROJECTS

Computational Storage Drive (Metroscientific & BJSAMT, China)   Aug 2022- April 2023
- New concept for storing drive as ssd with computational power
- Users can remotely access through http and store data which is 10 times faster than regular ssd.
- Used: Linux Kernel, Rocksdb, TCP/IP protocol

Blogging Website (My personal)   Ongoing
- (Typescript + Express) backend Server Link
- Angular Frontend Link

HTTP INJECTOR
- C++ and Python Implementation
- SSH tunnelling Software (VPN)
- Socket Programming, Linux Link

Data Structure & Algorithm
- I made all the templates with important data structure and Algorithms Link

EDUCATION

Rajshahi University of Engineering & Technology   January 2018 - Present
Bachelor of Science in Electrical & Computer Engineering
- **Courses included (but not limited to):** Machine Learning, Operating System (OS), Neural Network, Assembly Languages, Database, Digital Image Processing etc.