

## Ove Bepari

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I am a tech enthusiast, a hobbyist [chef](#) and [street photographer](#), a generalist graduate, explored a lot of **abstraction layers** of CS and prefer to stay in the bottom layers, away from the general users and closer to the system. I find how two abstraction layers communicate with each other (IPC, API, RPC etc) interesting.

## Education

- **Dhaka University of Engineering & Technology, Gazipur** *February 2018 - Aug 2022*
  - BSc, Computer Science and Engineering

## Work Experiences

- **Associate DevOps - Therap BD Ltd.** *August 2022 - Now*
  - [Therap \(BD\) Ltd.](#) is a US-based Software Company registered in Bangladesh, operating since 2004. Therap provides Software as a Service (SaaS) to government and private organizations globally that serve people with intellectual and developmental disabilities
  - Built, Deployed and Monitored the Therap App, a 400MB+ Java Application that runs on the Weblogic Server and Oracle DB (Oracle Linux stack)
- **Backend Engineer - TicketBD** *February 2016 - 2017*
  - [TicketBD](#), lauched on Sayedabad, Dhaka to sell bus tickets. **Designed** and **implemented** this PHP backend application, handled multiple buy requests to the same "bus seat" using caching. Worked here when I was in college.

## Technical Skills and Projects

- **Algorithmic Problem Solving** (400+ and counting), InfoSec **Security Contests** ([dovi-0x06 @THM](#)), C++, Python, GNU/Linux systems (5+ years), Web Frameworks / MVC architecture, Apache, Git, OSI Layers, Database & DBMS. I notice and enjoy other's design choices (UI/UX, System Architecture, Typography etc)
- **Projects:** A lot of projects to understand various abstraction layers of Operating Systems such as:
  - **Linux Virtual File System:** [Sec\\_Fs](#), that encrypts file contents in every write request
  - **Github Clone:** [Gitbucket](#) - that lets us clone over http
  - **Browser Extensions:** [Youtube Research Mode](#), MS Outlook [desktop and web app extension](#)
  - Local Network File Servers, Android OS Daemons, **Linux CLI** tools etc
- **Writing:** I write and investigate about **Systems**, **System Architecture**, **GNU/Linux**, **Software Daemons**, **File Systems** (undergrad thesis on file systems on user space), **Syscalls** (strace!), Infosec, [Computer Networks and the Internet](#) on my free time

## Leadership Experiences (selected)

- **Vice President, Ex General Secretary - DUET Computer Society** *July 2021 - June 2022*
  - I managed and moderated DUETCS organization online repositories and profiles on [Github](#), [Website](#), [LinkedIn](#) and hosted offline events
- **Senior Vice President - DUET Sports Club** *July 2021 - Jan 2022*
  - Organized several inter-department Cricket and Football tournaments, learned how tough it is to finish a sports tournament in a chaotic setting like south asia

## Awards and Certifications

- **ITEE, Level 2 - FE, Full Pass, Examinee No: FE01-0644** (Nov 2021, Information Technology Engineers Examination - ITEE is the national level IT Engineers Examination governed by **IPA, Japan**, considered as the IELTS of CS). Here's a [demo question](#).
- **Champion of Intra-DUET English Olympiad** (2019, Became the champion of Intra-DUET English Olympiad held by English Language Club, DUET)

## Field of Interests

- Computer Systems, Core CS, Cooking, Agriculture (grew up in a farming household), World Peace, Mass/Public Education, [Visual Communication](#), Animal Conservation (Volunteered for a year at [Creative Conservation Alliance](#), [Turtle Conservation Center](#), [Bhawal National Park](#) in 2021 lockdown), Sports and Poetry, Chess, Math, Online forums (Hacker News, Reddit), Local and Global Economy and anything that stirs the intellectual interest