TRINH LE LONG DUC

PERSONAL

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SUMMARY

- I am a responsible person, quick to adapt to new environment, and not afraid of challenges.
- Three years at GitGam working as a Front-End Web Developers.
- Keen on Virtualization, Computer network and IT Systems.

OBJECTIVE

- Try to become an experienced full-stack web developer.
- Research and Develop Virtualization, IT Systems.

TECHNICAL SKILLS

- **SCM**: VMWare, GitHub, Git, Apache, SSH, Qemu.
- **Frameworks/ Libraries:** ReactJS, Material-UI, TailWindCss, HTML5/CSS3, Gstart, ExpressJS, NodeJS.
- **Operating Systems:** Mac OS, Unix/Linux, Window OS.
- **Auto Script:** Shell/Bash.
- **IDE:** MS Visual Studio/Visual Studio Code, Eclipse, NetBean.
- **Programming Languages:** Java, Javascript, C/C++, C#, Golang.
- **Soft Skills:** Team Connecting, Presentation.

WORKING EXPERIENCE:

GITGAM
- **Durations: FROM 10/2022 – 04/2024 (Full time), 04/2024 – Now (Part time).**
- **Description:** Work as Front-End Web Developers to build a product named GitGam, internal call PMS. Work as R&D to build IT System.

- **Accomplishments**
    - **PMS-Chat**: Develop module Chatting:

- The development of a chat application involves the creation of an interface and the integration of various functions with APIs.
- **WebRTC for Calling**: peer to peer, screen sharing, avoid echo.
- **Media server (SFU)**: conference.
  - o **PMS-Task, PMS-Sprint, PMS-Active Sprint.**
  - o **Building Virtual machines** (GUI/Terminal) on Website.
  - o **Utilizing Qemu**:
    - **Basic**: create/running virtualized system.
    - **Networking**: To control virtual machines, use Pfsense as a KVM router and Firewall. Networking with SLIRP, VDE, TUN/TAP.
    - **Spice protocol**: running Qemu with spice protocol. Spice client is a software component that handles the client end of spice connections and provides the user with a graphical user interface. It allows users to remotely access a virtual desktop on a remote host.
    - **Mount/Unmount** disk image with qemu-nbd.
    - **Run virtual machines with the bash script**: The Bash script can be used to automate the process of running virtual machines. The script can also be customized to add features such as restarting virtual machines or changing settings. Additionally, it can be used to run multiple virtual machines simultaneously.
    - **Manage the IPtables rules**: control TUN/TAP.
    - **Sharing data**: between Host and VMs: share Folder, between VM and VM: iSCSI, NFS.
    - **Performance Enhancement**: Qemu can emulate several types of VGA card. The card type is passed in the -vga type command line option and can be std, qxl, vmware.
    - **Audio backend**: Enhance remote desktop performance (Intel-had, Had-duplex).
- **Technologies:** ReactJS, TailWindCss, Qemu, Firebase, Gstart, Pfsense.

FPT
- **Durations: FROM 04/2024 - 06/2024.**
- **Description:** Work as Front-End/Back-End Web Developers to build a product named Yamaha.
  - o **Accomplishments:** Develop module Storage.

EDUCATION

- **CAN THO University**
  - o **Duration**: **09/2018 – 04/2023**
  - o Regular full-time.
  - o Major: Software engineer.
  - o GPA: 3.82/4.0.
  - o Achievements: Received an excellent scholarship for 6 consecutive semesters at school, as well as a certificate of merit for 3 years of Union involvement.