

EDUCATION

- **University of Engineering and Technology**

Hanoi, VN

Bachelor of Software Engineering

Aug. 2008 – May. 2012

EXPERIENCE

- **TourService**

Tokyo, Japan

Bridge Software Engineer, Core Software Engineer

May 2017 Present

TourService is a tourism's system, powered by Tabikobo JSC, involves the tour information, search tour and user management. All information relating to tour already available online, and user can search and book tour. Over 2 millions record in database, over 400000 tour available online, and hundred thousands of search per day. My main roles include:

- **Backend System:** Whole backend was and will be written in Java, allow handling I/O efficiently for high traffic.
- **Search Engine:** Manual update index real time from mysql database and embedded Lucense in System for quick searching tour instead of full text search.
- **Inside Company Tool:** move the current system based on symfony 1.0 to new system based on PHP Cake.
- **Bridge Software Engineer:** Get request from leader and assign to offshore at Vietnam.

- **Car Navigation**

Yokohama, Japan

System Engineer

Dec 2014 - Apr 2017

Car Navigation built navigation system and media play system for car based on Android OS. Provide some media service like: play music, radio, video with high performance. Monitoring car speed, gasoline real time. My main roles include:

- **Load Music speed:** I am only one in the team, who has improved the loading 10000 songs from USB in 3 seconds.
- **Font Research:** research how the font works in the Android OS. Make change the default font for system.
- **Application develop:** I have been involved in developing some applications for the system. For example: Home Launcher, Music player, FM-AM, Video Player...

- **Sync Call**

Tokyo, Japan

Software Engineer

Apr 2014 - Dec 2014

SyncCall is KDDI Corporations communication service, that offers users features for various daily situations they can use during voice calls with VoLTE. These features include Screen Sync, which displays the caller's smart phone screen on their recipient's smart phone; Camera Sync, which displays live images from the caller's camera on their recipient's smart phone; Location Sync, which displays the caller's and their recipient's location information on a map; and Handwriting Sync, which enables sharing of hand written text on the screen.

My main roles include:

- **Screen Sync:** During a VoLTE call, users can synchronize screens with their caller (including sounds played with the device) by tapping the Screen Sync button. I was involved in audio module development.
- **UI:** User Interface created on Android Service. So Calls can be received without leaving the current screen. During a call, the menu is minimized (ball-shaped menu), allowing users to operate their device such as browsing the WEB or using an app just as they would when they are not taking a call.

- **iDi**

Hanoi, Vietnam

Software Engineer

Jan 2013 - Apr 2014

This is a start-up project with hope of providing a social network, where to review, share places, restaurants, cinemas... for friend and the community. Unfortunately, it was not successful in reaching business customers. My main roles include:

- **iDi:** I have developed Android Application with constantly changing requirements.

- **Core Library:** I built an API connect system that handles multiple requests, and running background. And make Image Caching based on LRU cache.

Hanoi, Vietnam

Jan 2012 - Jan 2013

- **Gamble System**

Software Engineer

Gamble System is a social gaming network, powered by Tamtay JSC, providing variety of gamble service include: Chan(game card of Vietnam), Poker, Chinese Chess, PaiThai...

My main roles include:

- **Core Library:** I built a common library for all game server system of the company.
- **Chinese Chess:** I have been developed Chinese Chess server game. Written by Java, and implemented Game AI based on Mini-max algorithm.
- **Application:** I also develop some game on Android OS, such as: Poker, Chinese Chess, Chan.

PERSONAL PROJECTS

- **KanaYomi:** KanaYomi is a mobile application (available on Android an iOS) that helps Japanese learners improve their vocabulary and reading skills. It shows up-to dated news from a variety of online newspapers with Furigana. When users meet a word that they dont understand its meaning, they can tap that word and its meaning will shows up with a built-in (Japanese-Vietnamese, Japanese-English, Japanese-Chinese) dictionary.

PERSONAL SKILLS

- **Programming Languages:** Java, C/C++, Python, PHP
- **Databases:** Mysql, MongoDB, Datastore, Sqlite, OrientDB
- **Languages:** English, Japanese(N2)