Ho Van Su

Software Engineer

📞 (+84) 935 307 484 | ✉ hovansu.it@gmail.com
🏠 suho.dev | 🐱 suho | 💼 suho

"Learning to change the world."

Technical Skills

Programming	Swift, Java, Javascript, Reactive Programming, RxSwift, RxJS.
Web	Vapor, Spring, React, HTML, CSS, Bootstrap, RESTful API.
Mobile	iOS (Native), React Native.
Database	MySQL, Oracle, Realm.
Cloud Techs	AWS, EC2, S3, RDS, Auto Scaling, Load Balance, Google Clouds.
Machine Learning	Vision, TuriCreate, Core ML.
CI/CD	Travis CI, Circle CI, Fastlane.
Other	Git, Nginx, MVC, MVVM, Clean Architecture.

Experiences

Asian Tech Inc.
Software Engineer

Danang, Vietnam
Jun 2016 - Oct 2018

- Designed and developed iOS applications.
- Implemented **RESTful API Server** with **Vapor** for company internal use.
- Build and deployed services using **Nginx**, AWS stack (**VPC**, **EC2**, **S3**, **RDS**) and **Google Clouds**.
- Researched and wrote documents about **Reactive Programming**, **RxSwift**, **React Native**.
- Implemented **Machine Learning** with **TuriCreate**, **Vision**, and **CoreML** frameworks.
- Developed a product from scratch for a financial company as **Backend** developer role using **Spring Boot**.
- Designed and developed a Real Estate project using **React Native**.
- Used **Github**, **Gitlab, Bitbucket** for project repository, daily **code reviews**, CI/CD using **Travis CI**, **Circle CI**, and **Fastlane**, etc.
- Code reviewer for iOS projects.
- A core member of iOS Team, which was responsible for proposing development plans for the iOS Team afterward.
- Analysis and estimate iOS tasks for iOS projects.
- Manage **React Native** team research.
- Mentor junior iOS team members.
- Organized a weekly technical workshop for the company.
- Sharing technology knowledge through the technical workshop.

Extracurricular Activities

iOS Team Technical Sharing - Speaker and Reviewer
Asian Tech Inc, Ltd.

iOS Technology and Framework
- Sometimes, I held technical sharing workshops in iOS team to share my knowledge as well as learn new things.
- Mentor and review some members' presentation.
- Some of my topics are **GCD**, **RxSwift**, **Unit Test with RxSwift**, **Custom Collection Layout**, **3D Touch Framework**, **How To Create a Cocoapods Library**.

Asian Tech Technical Workshop - Speaker
Asian Tech Inc, Ltd.
Sep 20, 2018

Introduction to Machine Learning
- The technical workshop's goal to share technology knowledge to everyone in the company.
- My topic is **Introduction to Machine Learning**.

Devday Technical Workshop - Speaker
Asian Tech Inc, Ltd.
May, 2018

Introduction to React
- The technical workshop's goal is sharing about technology knowledge to everyone in the company.
- My topic is **Introduction to Machine Learning**.

Asian Tech CodeFights Competition - First Prize
Asian Tech Inc, Ltd.
Oct 19, 2017

First Prize
- The iOS team organized a **CodeFights** (**CodeSignal**) Competition for the whole member of the company
- I'm the first person won that competition.

iOS Clean Architecture
@suho/ios-clean-architecture
Author - Self

Open Source
- Documents and example of **the clean architecture** of iOS application based on **MVVM-C** and **RxSwift**.
- Integrated some **Rx libraries** using **Cocoapods** into example project.

iOS Basic Training
@shiba/ios-basic-training
Author - Self

Open Source - Work In Progress
- Document for anyone is completely beginner to iOS and Swift.
- Basic guideline for iOS application development step by step.

SViewUtils
@suho/SViewUtils
Author - Self

Open Source - Archived
- A **Cocoapods Library** to draw **animated circular progress bars** and **custom views**.
- The framework is wrapped by the core iOS framework to effectively use.
- Publishing and maintaining updated versions on **Cocoapods** and **Github**.

Projects

Finance Manage and Perform Tasks Project

Asian Tech Inc, Ltd

This project makes several applications to manage and perform tasks and human resources for a finance company. It has some interesting features. For examples, a manager can assign tasks with required location to a member on the website, then member will receive a notification on the phone and using GPS to check-in when they arrive at the required location. Another instance, the application can help employees analyze their target for days, months.

Role: iOS Developer and Java Spring Developer.

Team Size: 45

More detail:

- Product technical stack consists **Java Spring Boot**, **Oracle SQL**, **iOS Native**, **Android Native** for implementation, hosted in private internal servers.
- Implemented **GPS** tracking for mobile devices.
- Implemented **IBM Mobile First Platform Foundation** for iOS and Android application.
- Implemented RESTful API's for Server.
- Developed core module for iOS app using **protocol-oriented programming**.

TryIT Application for Try Group, Inc.

Asian Tech Inc, Ltd

This application helps students to learn everything easily through thousands of videos and clips. The main feature of the application provides a lot of courses for students to learn by videos, such as Mathematics, English, Chemistry, Physical, etc. For each lesson, it also contains questions and answers for practices. The most impressive feature is that the student can send the question to the teacher, then that teacher will help the student by sending message to them within the application.

Role: iOS Team Leader

Team Size: 20

More detail:

- Product technical stack consists **MVVM**, **Swift**, **Realm** for implementation.
- Implemented **Google Analytics** and **Firebase** to tracking user's behavior.
- Using **Cocoapods** to manage dependencies in the project.
- Using **Media Player** Framework and **AVFoundation** to play courses' video.
- Involved **CI/CD** using **CircleCI** and **Fastlane**.

YuuStay Application

Asian Tech Inc, Ltd

This is an application which enables people to lease or rent short-term lodging. The application provides an easy way for people who lease their house for short-term lodging to manage. Also, the application gives a place for people who want to rent a house for living in Danang City.

Role: Mobile (React Native) Team Leader

Team Size: 15

More detail:

- Product technical stack consists **NodeJS**, **React**, **React Native** for implementation.
- Implemented **Redux** and **axios** for the mobile application.
- Wrote document about **React Native**, **axios** and **Redux**.
- Involved **CI/CD** using **CircleCI** and **Fastlane**.

AtoneCon Framework

Asian Tech Inc, Ltd

A framework using Atone services and provides an iOS SDK for the iOS application want to use Atone services to buy things.

Role: iOS Team Leader

Team Size: 10

More detail:

- Product technical stack consists **iOS**, **Cocoa Touch Framework** for implementation.
- Using **Webkit** Framework to integrate **Javascript** into Webview on iOS application.
- Involved **CI/CD** using **TravisCI** and **Fastlane**.
- Deployed the framework to **Cocoapods** which is a dependency manager for Swift and Objective-C Cocoa projects.

Weawow Mobile Application

Asian Tech Inc, Ltd

Weawow is a beautiful and highly accurate weather forecast application. The posted photos are automatically displayed after being matched with the weather in the application as well. It also provides a feature that allows people to post their photo and sell it to people all over the world.

Role: iOS Developer

Team Size: 10

More detail:

- Product technical stack consists **iOS, Android** for implementation.
- Using **CoreGraphics** Framework to draw graphs on iOS application.
- Implemented **App Extension** to show the weather today.

Face Recognition Application

Asian Tech Inc, Ltd

This is an iOS application that recognizes the human face and shows their name on the screen. This is a research project about Machine Learning.

Role: Owner.

More detail:

- Product technical stack consists **iOS**, **Machine Learning** for implementation.
- Using **TuriCreate** and **Core ML** framework to create the machine learning model.
- Applied **Image Classification** for the machine learning model.

Food and Fitness   @suho/food-and-fitness-ios

Danang University of Science and Technology

This is the graduation project at Danang University of Science and Technology. The project built an iOS application for tracking health informatics, such as foods, calories, and exercises. It has some interesting features. For example, when the user input the food they eat and after that, the application can calculate how much energy user get and suggest an exercise to keep the user's body fit. It also tracks how much energy users burn when they practice exercises.

Role: Owner.

More detail:

- Product technical stack consists **iOS**, **Ruby on Rails**, **Realm** for implementation.
- Using **HealthKit** framework to track user's health data.
- When the user practices exercise, such as running or cycling, the application will track the activity on the map and show the distance, the velocity and the duration of the activity by using **MapKit**, **CoreLocation**, **Core Motion**.

Education

University of Danang

Aug 2012 – July 2017

University of Science and Technology

- Graduation Degree: The Degree of Engineer in Information Technology.
- GPA: 3.26/4.

International English Language Testing System - IELTS

Overall Score: 5.5

Personal Details

Date of Birth	Nov 26, 1994.
Marital Status	Single.
Languages	English, Vietnamese.
Nationality	Vietnam
Interests	Mobile, Backend, DevOps, Math, Artifical Intelligence, Machine Learning, English.
Permanent Address	14, Kiet 2, An Duong 1,
	Phu Thuan Commune, Phu Vang District,
	Hue, Vietnam – 530000

References

References will be furnished on request.