Lê Cát Bình
Software Engineer Leader

CONTACT

📞 (+84) 379 777 126

✉ catbinhle@gmail.com

🐙 Github Profile

📍 129, Tran Van Du Street, Tan Binh District, HCM City,Vietnam

INFORMATION

📅 August, 20th, 1989

🛂 Vietnamese

🏠 Hue city, Vietnam

⚥ Male

💍 Single

EDUCATION

Electronics & Telecommunication Engineer

Hue University of Sciences, Vietnam

2007 - 2012

Graduation score: 7.2

Electronic Technical Master

HCM City University of Technology, Vietnam

2014 - 2016

SUMMARY

I'm a software engineer leader, my team's about 3-12 members (base-on project and skills of my team). I often support and train members in the team.

About technical, I have 12 years experience in software technology, mostly spend time with mobile applications, including native iOS/MacOS and cross-platform projects (iOS and android apps) using React Native. Because of technology updates daily, I alway learn and research new technology, such as ReactJS/NextJS, server with NodeJS, Socket, Flutter, MongoDB, AWS and AI/ML.

About working in the environment, I used to onsite Singapore and Malaysia (Kuala Lumpur) for Petronas clients.

EXPERIENCED WITH

- Good skill about Native iOS/MacOS, android applications. (over 10 years experience)
- Good skill about React Native (cross-platform for iOS and Android). (about 8 years experience)
- Good skill about ReactJS (using MUI framework)
- Good skill about NodeJS (servers with MongoDB)
- Having theory about AI/ML, embedded systems and IC design.

WORK EXPERIENCE

Zoi Tech (https://en.zoi.tech)   Feb/2022 - Apr/2024
Solution Architect

- Responsibilities:
  - Manage, support and training for members.
  - Support server and web team using ReactJS, NextJS and NodeJS, AWS Cloud.
  - Advise customers about technicalities of projects.
  - Implement, improve structure/coding, fix issues and upgrade a mobile app (using React Native/Flutter and iOS native).
- Technologies Used:
  - React Native/ReactJS and Flutter with VS Code (Typescript, using MUI, hook)
  - Core iOS Native Module (Swift 5 with Xcode native for new/complex technologies)
  - Setup monorepo with Lerna for project.
  - Because of the IoT project, using BLE and AWS cloud to process communication between devices and apps.
  - Implement Cucumber BDD and TDD for project and review, supporting my members' tasks.

PersonifyInc (https://personifyinc.com)   Mar/2020 - Jan/2022
Software engineer leader

- Responsibilities:
  - Manage, support for members and work together with R&D team (learn and research ML/AI with metal and OpenCV) and implement SDK.
  - Implement, improve structure/coding, fix issues and upgrade a mobile app (using React Native and iOS native).
- Technologies Used:
  - Objective-C/Swift 5 with Xcode in MacOS/iOS.
  - React Native with VS Code (Javascript/Typescript)
  - Using ML (DeepLabV3), Metal, ffmpeg and OpenCV (C/C++) for AI apps and image processing.
  - Using WebRTC and socket.io for real-time communication.
- References (products):
  - https://personifyinc.com/download/chromacam
  - https://personifyinc.com/download/presenter

TECH SKILLS

- Good skill with Objective-C and Swift programming.
- Good skill with Javascript/Typescript programing.
- Have skill with Flutter using Dart programing.
- Java programming (for Android and Java Boot Spring).
- C# programming (for Xamarin).
- TDD (using Jest for React Native and XCTest for iOS Native) and BDD (using Cucumber).
- CI/CD for building and deploying mobile apps (using GitHub Actions).
- Firebase (Push Notifications and Analytics...), Google API, cloud AWS and Metal, OpenCV.
- C/C++ (for embedded system using ARM processing and core AI/ML for mobile)
- Having skills in using SourceTree, GIT and SVN.
- Having skills in applying Cocoapods, npm/yarn.

SOFT SKILLS

- Mobile team leader role (about 8 years)
- Be able to communicate and understand English (B2)
- Building and deploying mobile projects, website, server and database as full-stack developers.
- Working with foreign clients (via skype/Teams, email and directly)
- Using JIRA, Agile/Scrum, waterfall processing.
- Training, support and working with junior/fresher developers.
- Planning and problem-solving skills.
- Ambition, passion, organization and responsibility
- Strong analytical skills, research and having ability to work well under pressure, teamwork or individual.

FPT Software (https://fptsoftware.com/) Oct/2016 - Feb/2020
Mobile Team Leader

- Responsibilities:
  - Manage, training and support for members in my team.
  - Advise customers about technicalities of projects.
  - Implement, improve structure/coding, fix issues and upgrade a mobile app with different kinds of projects: e-commerce, fintech, insurance, health care, media, oil and gas, IoT...
- Technologies Used:
  - Objective-C/Swift with Xcode in MacOS.
  - React Native with VS Code (Javascript)
  - Xamarin with Visual Studio (C#)
  - Online/offline mode for enterprise clients (using SQLite/Core Data) and security data with Keychain.
  - IoT technology: remote sensors by iPhone (via clouds using AWS).
  - Support server team with NodeJS.
- References (products):
  - https://apps.apple.com/us/app/nfl-sunday-ticket/id327243363
  - https://play.google.com/store/apps/details?id=com.petronas.newpoint&hl=en&gl=US

TREK 2000 (https://www.trek2000.com.sg) Aug/2012 - Dec/2016
Mobile Developer (iOS)

- Responsibilities:
  - Study, implement, improve structure/coding, fix issues and upgrade a mobile app (using iOS/android native).
  - Support for members in my team.
  - Learn and research new technologies and resolve some technologies.
- Technologies Used:
  - Objective-C/Swift with Xcode in MacOS.
  - Java for android with android studio.
  - Xamarin with Visual Studio (C#).
  - IoT technology: connect with devices via BLE Network (using CoreBluetooth).
- References (products):
  - https://apps.apple.com/us/app/cloud-stringers/id717070985
  - https://apps.apple.com/us/app/patient-alert-assistant/id1071786060

Green Academy (https://www.greenacademy.edu.vn)
React Native Training (part-time) Mar/2022 - Mar/2023

- Responsibilities:
  - Teaching and support for my students and preparing lesson plans and practice for my class (10-30 students)
- Technologies Used:
  - React Native (Javascript/Typescript, hook).
  - Basic knowledge about React Native (JS/TS language, components, network, redux...).
  - Core iOS/Android Native Module (Swift/Objective-C with Xcode native and Java/Kotlin with Android Studio for new/complex technologies).
  - Overview ReactJS, NextJS, server with NodeJS, monorepo with Lerna and Nx, database management by MongoDB and new technologies
  - Support implement projects for my students and teach advanced knowledge.
- References:
  - https://www.facebook.com/greenacademy.edu.vn/videos/534132538235310 (can see me from 00:07 second, I wear pink T-shirt and guide my students)
  - https://www.youtube.com/watch?v=r9lG7koIps4 (and others youtube guide of me)
  - https://www.facebook.com/catbinh.le/videos/958258661844248

OTHERS: owner projects (support for my friends)
Project Manager & Full-stack React/NodeJS

- References:
  - https://truyenhinhnongnghiep.vn/