



TRAN KE HUY

92 Street 4, Quarter 6, Hiep Binh Phuoc Ward, Thu Duc City, HCM City

• [REDACTED] • [REDACTED]

OBJECTIVE With more than 6 years of experience working with maps and GPS applications in the field of vehicle and ship transportation, meeting customer needs and organizational requirements. Along with that is enthusiasm, love of work, not afraid of difficulties, always looking for solutions when encountering problems, skills to work independently as well as teamwork.

Experience

05/2015-11/2023

Team leader | Khanh Hoi Company | Go Vap, HCM city

- Research, build and deploy **GPS Tracker system**:

+ Wrote firmware for GPS devices for cars and ships using **C++** language. More than **5000 devices** have been produced and sold. The device has been registered with the Vietnam General Department of Metrology.

+ Wrote firmware for DVR device (processing gps, images, video) with **python** language (Using X96 TV box board hardware, running **Armbian**). There have been more than **2000 devices** sold on the market.

+ Configure and handle situations well when receiving data with the **FTP** protocol

+ Successfully write and deploy data receiving software in **Java, C#** languages with **TCP/IP** protocol (~4000 requests/s) with many different types of messages.

+ Write and deploy website (**MVC .net, JavaScript** API) GPS Tracker uses **google map, mapbox, openstreet** [REDACTED] applies the "**Load balancing**" model. And the website has been registered with the Ho Chi Minh Department of Intellectual Property (copyright): Project name: GTS, Number: 4-[REDACTED].

+ Design, process, and manage **databases** with **MySQL**. Optimize reading and writing speed with large data. Good use of **triggers, stored procedures, functions...** **InnoDB Cluster** is applied on 2 independent servers.

+ Write and deploy applications with **C# .net Core**. The application handles all requests (**~2000 requests/s**) from mobile applications, websites and from other company systems.

+ Write and deploy mobile applications: Monitor and warn when there are system problems, using "**google Firebase cloud messaging**".

+ Write mobile applications (**Android, iOS**) using **Android Java, Xamarin**. There is an application posted on the market with more than **500 downloads**.

- + Understand and manage **Windows Server (2012 - 2019)**, **IIS**, **Hyper V**, **VMware workstation** well. Configure well network issues (**router**) and open and close ports.
- + Understand and configure well issues related to **IP and domain**.
- + Ability to read **hardware drawings - PCB** when participating in Firmware writing projects.
- In addition, participate in writing applications (**C#** - central processing application applying **MQTT**) for a number of "Smart Home" solutions related to controlling devices via **wifi** and **bluetooth**.
- Build and deploy some software related to **COM port**: software to send **SMS messages (C#)**, software to read/write **RFID tags (C#)**.

Skills

- Have good research ability • Work pressure • Excellent time management skills
- Work independently as well as in groups • Data analytics

Education

09-2010 - 09-2012

SOFTWARE DEVELOPMENT | FPT APTECH

05-2015 - 10-2019

INFORMATION TECHNOLOGY | TRA VINH UNIVERSITY

Activities

- Jogging • Swim • Cook • Cycling • Travel