

CHUAN-CHE YEN

Senior Software Engineer



Kaohsiung / Taipei, Taiwan

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EXPERIENCE

08/2020 - present

Senior Software Engineer

Synology Inc.

- **QuickConnect** is a service that enables remote access to NAS devices through the internet.
 - Developing features as required, identifying performance bottlenecks, security assessment and adjustment, as well as performing SRE duties.
 - Improving the use of *hole punching* technique to reduce cloud traffic usage by **3%** and enhance user experience.
 - Approximately **58k** unauthorized serial numbers, also known as *hacksyno*, have been blocked from using QuickConnect to establish connections.
- **DDNS** enables users to access their NAS using a domain name instead of an IP address.
 - Using QuickConnect HTTP long polling to reduce IP lookups and decrease server usage by **29%**.
 - Integrate a certificate application process for Synology products that can be used in different scenarios, in conjunction with QuickConnect and Let's Encrypt.
- **ZTNA** refers to a ZTNA solution that utilizes Synology QuickConnect to improve connectivity and usability.
 - Using QuickConnect as a secure channel to initiate Zero Trust Network Access, and utilizing hole punching techniques to increase the possibility of direct connections.
 - Implement a web application using Vue as the interface to integrate PC client and QuickConnect.

02/2019 - 08/2020

Principle Software Engineer

Hairdodo Inc.

As the primary technical developer at Hairdodo, I am responsible for both front-end and back-end development, generating reports based on requirements, as well as maintaining and developing the Android app. Specifically, my responsibilities include:

- **Service and Web UI**
 - Design RESTful API for data manipulation with framework *Sails.js*.
 - Build web application with framework *React*.
 - Apply lazy-loading to save **NT \$7000** per month from Google Maps API billing.
- **Android**
 - Feature development in *JAVA* / Google Pay Integration / Firebase integration.
- **StylePay** is a third-party payment platform that enables credit card transactions and has successfully increased the service fees for designers by up to **35%**.
 - Supporting pre-binding credit cards and integration with Apple Pay / Google Pay for users.
 - Integrating with banks and online invoicing systems to automate the process of generating reports, allocating rewards, issuing invoices, and reconciling accounts.

2015 - 06/2018

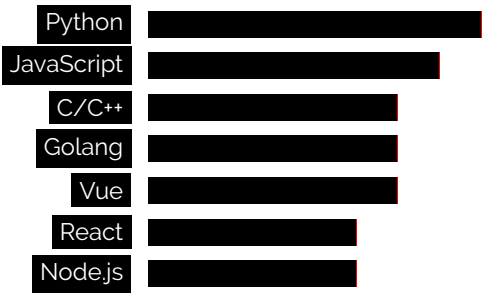
Software Engineer

Synology Inc.

- Renovate live streaming mechanism By integrating FFmpeg / WebSocket / HTML5 and MSE(Media Source Extension)

SUMMARY

With 8+ years of experience in software development, specializing in C/C++, JavaScript, and Python, I am currently working as a Senior Software Engineer at Synology Inc. In this role, I am responsible for developing and maintaining the QuickConnect feature, which enables users to access their NAS devices from anywhere without complex network settings.



EDUCATION

2013 – 2017	Master's Degree Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.	Another Awesome University
2014	ERASMUS Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.	Awesome University in Heaven
2007 – 2013	Bachelor's Degree Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.	Awesome University in Heaven

LANGUAGES

Czech - native
English - C2
Polish - B1

HOBBIES

I love... Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.

NON PROFIT

I help... Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.