

Dương Bảo Duy

I am a software engineer

✉ baoduy.duong0206@gmail.com | ↗ bdx0 | ↘ bdx0.io.vn

BIO

I am a software engineer with 9 years of expertise in optimizing application performance and driving innovative solutions. I want bridging the gap between technology and human interaction. I will make the software more simpler, more better.

EDUCATION

Ho Chi Minh University of Science

Bachelor in Mathematics & Computer Science; GPA: 6.5/10

Ho Chi Minh, Vietnam

09/2007 - 04/2013

SKILLS SUMMARY

Languages

Python, Javascript / Typescript, C/C++, Java, Objective-C, Dart, Go

Frameworks:

- Frontend Next.js, Flutter
- Backend Fastapi, Django, Gin, Springboot
- Deep Learning Pandas, Numpy, Matplotlib, Pytorch, Mlx, Tinygrad
- Call/Streaming WebRTC
- Database PostgreSQL, Superbase, Baserow

Platforms

Linux

Tools

Git, VSCode, Bash, ...

Soft Skills

GTD, Critical Thinking, Problem-Solving

Languages:

English (Working Proficiency)

Work Experience

Freelance Fullstack Developer

Home

12/2022 - Present

- Designed and deployed a home lab using QEMU, libvirt, and Kubernetes to support fullstack application development and deployment. Built a tested APIs and web apps in isolated VMs and containers, hosted self-developed services on a local NAS, and integrated IoT components to simulate real-world backend scenarios. Gained hands-on experience with DevOps workflows, Linux server environments, and self-hosted developer tools.

Senior Software Engineer

Rever Corp

06/2019 - 12/2022

- Developed mobile app using flutter.

Senior Software Engineer

VNG Corp

08/2014 - 05/2019

- Developed a mobile video call feature using WebRTC.

- Developed a call quality analysis system for the monitoring of communication metrics.

Mobile Developer

BraveSoft Corp

05/2013 - 07/2014

- Developed some android and ios app for customers.

Projects

Homelab

Home

10/2019 - present

- Hosted a Kubernetes cluster on-premise.

Rever mobile app

Rever Corp

06/2019 - 12/2022

- Developed mobile app using Flutter
- Optimized app performance by refactoring code, improving database queries and leveraging caching
- Developed unit tests and implemented automated testing to improve code coverage
- Integrate REST API for dynamic data retrieval and synchronization between server and mobile app
- Developed a custom UI/UX that enhanced user engagement and satisfaction

ZaloStats:	VNG Corp	08/2014 - 05/2019
	<ul style="list-style-type: none"> ◦ Designed an analysis system to measure call quality ◦ Developed the analysis system with Python ◦ Wrote code in C/Java/Objective-C to collect and assess call quality metrics. 	
ZaloCall:	VNG Corp	08/2014 - 05/2019
	<ul style="list-style-type: none"> ◦ Developed mobile app on iOS with C/Objective-C ◦ Developed an application that allows user to make video calls over internet. 	
Mobile Developer	BraveSoft Corp	05/2013 - 07/2014
	<ul style="list-style-type: none"> ◦ Worked as an outsourced developer for Japanese customers. ◦ Used the Android NDK to write low-level code for improving and modifying FFmpeg's functionality on Android. ◦ Developed an FFmpeg wrapper for video processing, including tasks such as cropping, inserting background, merging videos 	