

Dương Bảo Duy

I am a software engineer

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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

Ho Chi Minh, Vietnam

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

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, Supabase, 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

- Designed an analysis system to measure call quality
- Developed thhe 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

- 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

- 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