Curriculum Vitae

Le Ngoc Thach

Contact Info

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About

I am a software engineer, focusing on backend system and a infrastructure.
True geek is what I am being and continuously pursuing. Engineer, not a coder.

In my opinion, deep understanding myself is kinda most important thing in my life. Something about me that I have discovered:
- Ability to adapt something new very quickly, including technologies as well as communities.
- Crazy in tech. I can spend a day without stop talking techs.
- In every technology, I try to understand the spirit, the beauties of this technology not only how to use.
- Strong problem solving skills. Because of laziness, I hate exaggerating the problem, I try to logically minimize and find out the shortest ways.
- I think no one is perfect, anyone has something they could improve upon, so be supportive.
- Love English, definitely.

In most of projects I participated in, I was responsible for working directly with stakeholders to analyze the business need, coming up with overall system designs, deploying and maintaining system. Balance the fast fail loop of startup and technical debt is always the hardest part.

Knowledge and Skills

- Designing system architecture, database schemas, APIs.
- Analyzing, debugging, optimizing systems.
- Business analysis, requirement analysis.

- Technical writing.
- Languages: English, Vietnamese.

Tools and Technologies

- Programming languages: Go, C#, Java, NodeJS, Elixir ...
- Databases and data systems: PostgreSQL, MySQL, ElasticSearch, Redis ...
- Infrastructure: Docker, Ansible, AWS.
- Other: Vim, git, spacemacs.

Work Experience

Dwarves Foundation   **Software Engineer, August 2015 - Now**

Being 1 of 5 founding members. We are venture builders that make startup ideas become true.

At Dwarves Foundation, anyone has to wear many hats.
My hats are:
- In charge of backend stack, mainly on Go, sometimes Elixir.
- Devops, experienced in AWS.
- Develop tools, conventions and create culture for improving team members performance and skills set.
- Involve in management process, business and requirement analysis, design solutions, client interacts.

Canlead

Canlead is application that plays the same game with LinkedIn but has some innovations. It focuses on the referral network and payment integrations supported.

My responsibilities in Canlead mainly on Backend and Devops.

Backend
- Write logic code and test.
- System design.
- Consult solutions for clients.

Devops
- Gitlab CI/CD with AWS stack.
- Setup 3 environments for develop, staging and production.

- Deploy backend with docker.
- Deploy frontend by S3 hosting + Cloudfront.
- Infrastructure as code with Cloudformation.

Clipchute

Clipchute idea came from Harley - the journalist. She wants there are some places that look like youtube but privately and can work as franchise model.

The clipchute app and desktop hub makes it simple to capture, tag and archive mobile content. Your co-workers can see the videos and photos you take immediately then save or publish the content for you.

Interesting problems: Handling upload mechanism, multiple upload, join and merge, retry, media processing.
Technologies used: PostgreSQL, Bash, Websocket, Go.
Responsibilities: project management, backend APIs.

Amio

Amio is venture product that our team works as tech partner (means handling all about tech and another team handles business). It's a real estate focusing on mobile platform helps you buy, rent, sell house in Vietnam with ease, secure and time saving.

Interesting problems: Complex logic, data processing, supported tools.
Technologies used: PostgreSQL, Go.
Responsibilities: Backend APIs, design system.

SunnySoft   Remote Backend Engineer, September 2016 - June 2017

This is the UK startup in the space of C2C payment system. Foundation of 12 experienced gophers and 5 React Native developers, we built Keymono.

Keymono

Keymono is the platform that helps people transfer money, pay a loan or call for donation just by a universal link.

Interesting problems: Complex payment system, remote culture, microservices architecture.

Technologies used: go-kit, grpc, CloudSQL, PostgreSQL, Redis, ElasticSearch, ArangoDB, Kafka, Beanstalkd, GCP, k8s.
Responsibilities: Build bank service which reflects payment core logic, flow money out and in. Build messaging that is chat service. Build mock application that helps to stress test.

Camino Information Services   Software Engineer, August 2014 - August 2015

This was consulting company with expertise in CRM system. It's somehow the first step to become real software engineer for me. For 11 months, I spent time to improve my coding skills, design system skills by working with some great mentors.

As I improved, my responsibilities increased and included:
- Analyzing business needs and requirements.
- Designing, implementing, maintaining web systems.
- Research and apply new technologies

QuickSpatch

QuickSpatch is a real time resource management tool. QuickSpatch can function as instant dispatch with text alerts, inventory management, order management, fleet optimization, and scheduling solution all in one.

In this project there is a need of Android Developer. I voluntarily chose it. Learn from 0.

Interesting problems: Learn Android from 0, Google Maps manipulation, logistic.
Technologies used: Android, ASP.NET API.
Responsibilities: Develop android application and backend APIs with ASP.NET.

ToxFusion

ToxFusion is a web-based order entry and results portal. With the addition of interfaces and data bridges, ToxFusion can flow seamlessly from the doctor's EMR system for orders and back with results, all the securely transmitted and HIPAA compliant. Unlike other products on the market, this toxicology software was built around tox labs, not clinical lab software shoehorn to fit.

Interesting problems: Medical and pharmacy system.
Technologies used: ASP.NET MVC, Angular JS.
Responsibilities: Develop monolithic application with Angular and ASP.NET.

Personal projects

Glod-cli

A small cli written in Go to help download music/video from multiple resources: Youtube, Vimeo, Facebook, Soundcloud, Nhaccuatui, Zing, Chiasenhac.

Messenger bot

I wrote a facebook messenger bot for my fanpage by forking and customizing one Go repository. It helps users place an order, delete an order and check status an order with ease.

Education

University of Science - Bachelor's degree(Honor), Information Technology

Learning in honor program was an big opportunity for me. During my time here, the most important things I achieved are:
- A chance to meet wonderful people, includes teachers as well as friends.
- A foundation of software engineer, software development, process, agile...
- Building soft skills like English or team working.

Others

Admin and organizer of Golang Vietnam

Golang Vietnam is non-profit organization that connects people who use Go. It's the place that gophers can hangout with each others, ask questions and receive advice from experienced gophers.

I joined Golang Vietnam at the very first time in 2014. June 2015, I became an admin and organizer of Golang Vietnam.