

Bang Dao

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Personal statement

I'm winner of 3 Vietnam National Hackathons in 2016: EdTech HN, AngelHack HCM, Facebook.

To me, building a new feature just like writing a new if statement with a new variable. So as long as the requirement is clear enough to know what is the condition of the if, the feature is doable.

I started with PHP first but now I'm mainly working on Django. I was able to start working with python after 4 days self-learning then become leader assistant after 1 month.

The most important things I learned from working with PHP is how the web works, what browser does, what server does and what can be done with the web.

Programming language, framework, template, etc... is just the things that expert build to solve the problem they met.

Core skills

- Full-stack web engineer
- Strong in debugging
- Understand deeply about web process and web development process
- Very strong in programming skill
- Very strong logic and reverse logic thinking
- Won 3 nation level hackathons in 2016
- DOTA 4500 MMR (Game)

Backend scripts

- Python, 9/10, Expert
- PHP, 7.5/10, Advance
- Nodejs, 5/10, Intermediate

Databases

- Postgres, 7.5/10, Advance
- MySQL, 7.5/10, Advance
- Redis, 5/10, Intermediate

Frameworks

- Django, 9/10, Expert
- Magento, 7.5/10, Advance
- Flask, 5/10, Intermediate

Javascript

- ReactJS, 8/10, Expert
- AngularJS, 7/10, Intermediate
- jQuery, 9/10, Expert

Mobile

- Swift iOS, 5/10, Intermediate
- Java Android, 5/10, Intermediate

Frontend

- HTML, 5/10, Intermediate
- CSS(SASS, LESS), 5/10, Intermediate

Work history

Team Leader – The Luxe Nomad, Malaysia

(2017 – Present)

The Luxe Nomad is a 5-year-old start-up without in-house dev team. I was the first in-house they have.

The website is badly built by various teams, different for each year, and no coding standard is used. I was in charge of maintaining the website that built by another junior, fixes all the issues (90%) then move all the website into a single source code.

Beside of the bad-built website, the team here is very nice and friendly. They understand the situation and willing to change.

It takes 3 months for 2 high-level senior to rebuild the whole system, with all feature covered by test suit.

Team Leader – East Agile VN, Ho Chi Minh City

(2013 – 2017)

East Agile apply pair programming process here, which is really good for engineer especially for junior because the senior will teach them a lot when working in the pair. Pair programming also reduce the risk of changing team members because we always have at least 1 member understand the project.

I worked to build a general API for Home Depot which is used to build their web and mobile apps. We started with improving their test coverage from 30% to 90%. After that reduce the test running

time from 10 mins to less than 120 secs. We have only 2 members on our side working night-shift with a client in the US for 9 months. The project ended when the client has enough member to handle this project in-house.

I started the job in East Agile with a project for Linqua. The client wants to re-build their ad-system with a good test suite. We built an ad-server application (Python), a reporting system (Python) and rewrite some important part of their main application (PHP).

I got chance to work with some Javascript frameworks like AngularJS, ReactJS.

Team Leader – Vida IT, Ho Chi Minh City

(2012 – 2013)

I came to Vida to become their new team leader, the Magento team. The company gives me 1 month to research, learn, and practice with Magento while looking for team members. There's not much people in Vietnam work with Magento at that time.

The team has 4 members at the time the first Magento project arrived. We got more and more projects but the team size increase only 1 member to a 5 people size team, including me. Every 2 members handle 2 projects in the development phase, 2 of them also in charge of maintenance that project when it goes public. I was in charge of handle all most difficult part of those project including customizing Magento behavior, writing new modules, packages, payment methods, etc... while teaching the team to do so.

Our team is not the biggest team in the company at that time but we are the most friendly team or happy team in my point of view. We have enough time for 1 training class per week, my team members listen to me even all of them are older than me (I was about 24 at that time).

I learned and practiced Git in this company, and after 2 years I realized I did a really really bad git process there.

Software Engineer – Gloops VN, Ho Chi Minh City

(2011– 2012)

I was a PHP expert when I join this company, my best friend invites me to join with her so that we can work together. The company was formed 2 months after the interviewing. I only know they were looking for Python engineer on the first day of work. The company gives each of engineer (it seems nobody knows Python Django at that time in Ho Chi Minh city) 1 week to learn Python and Django. After 4 days of learning, I start with the first task of maintaining a project name "Legend Cards" game, the very famous web games in Japan at that time. After 1 month, I was given the lead assistant position.

We used Django to build web game application here. In 9 months, I worked with 4 game projects, fix a lot of bugs including 6 security bugs that I found and raised. 2 of 4 projects are the mobile web game.

The company tries to use 1 general solution to build the game application on both iOS and Android. I was given the task to research about all the technology can be used for that. Thus I touch iOS object-c, Android Java, PhoneGap, Appcelerator..., build a game application for each of them as a demo. At the end, the solution is developed 2 apps, 1 for Android and 1 or iOS for each game.

Tech Lead – Blueway Jsc, Ho Chi Minh City

(2010– 2011)

I started my own business with my friends at Blueway. I was in charge of building the engineering team, bidding projects, and controlling the quality of outcome. We developed 3 products at the same time, a web service, a self-learning website, and a real learning tool for English.

The company was sold after 4 years.

This startup gave me a lot of experiences about managing a company, we have to care about the staff, the tax, the income, the company image, the people, the product, the vision...

Freelancer – freelancer.com

(2017– 2010)

Worked as a freelancer. Mostly I spend time on debugging for customer website or build data scraper (which is really new at that time).

Education

B.S Computer Science

2006 - 2014

UNIVERSITY OF SCIENCE, HO CHI MINH CITY / B.S Computer Science

software-engineering computer-science

Thesis 9.0

GPA: 3.14

Started my first job at the university's Software Experiment Lab in my 2nd year.

Started working as a freelancer on 3rd year.

Joined and built a charity group name Care and Share. Help to build their website and join their activity.

Was member of organizer group of Challenge 2011

Projects

2017

THE LUXE NOMAD / <https://theluxenomad.com/>

Django angularjs mongodb postgresql

Villa booking service

A website connects to many villas and integrate with many channel API

2017

PEEQR / <http://peeqr.co/>
python django restapi

Steam service

A backend API used for ReactJS, Android and iOS

We rebuilt the whole MVP in just 5 weeks.

Team size: 6

2016

SAMSUNG S30 - CHINCHILLA
python django

Single Sign-On system

A backend API used in front-end android library for authentication

This is a simple API but we need to handle 6.000.000 user with 15k requests/minute thus every small thing need to be perfect.

Team size: 4

2015

CITIZENS POLICE DATA PROJECT / <http://cpdb.co/>
python django reactjs

Chicago Police Misconduct website.

This website uses Django API backend and ReactJS front-end for data browsing and filtering.

Because of this website's purpose, we spend most of the time on UI and UX stuff:

- displaying 40k heat map point without hang browser
- making a transition between router pages
- building slider of 8k items without making browser stop

Team size: 8

2014

HOME IMPROVEMENT MADE EASY / <http://www.homedepot.com/>
django rest api unit-testing

American E-Commerce API

Improved test coverage from 30% to 90%

Reduced test running time from 10 minutes to 120 seconds.

Built some new API.

Follow strictly PEP-8 coding standard.

Team size: 2

2013

EMISSARY / <http://www.emissary.io/>
python google-app-engine angularjs

An expert network project.

We are mainly in charge of improving this project's unit testing, integration testing, the test coverage of its, built API for AngularJS's call.

Team size: 2

2013

NATIVE CONTENT MARKETING BY REAL STORYTELLERS | LINQIA / <http://www.linqia.com/>
django tornado php api

Online marketing provider

Built new ad-server on Django and report system on Tornado.

Rewrote some features of PHP application.

Added unit-test and integration test.

Team size: 2

2012

MAGENTO PROJECTS
php magento

Developed and maintenance 6 Magento based websites.

Developed new Klarna checkout module for Magento which is mostly used in North Europ countries. Klarna provides a checkout API allow us to create/modify/manage order on their system. I integrated Klarna Checkout to Magento.

Developed Criteo integrated module for sales tracking on Magento.

Developed Magento Apptus module, allow Magento fetch data from Apptus server and display it on Magento itself. I designed and build this module so that Magento can treat Apptus as a database server for products and search collection.

Team size: 4

2012

WORLD WAR / MONSTER / website is down

python django ios android

Mobile web game

I worked on the initial stage of this project, researched about the capability of mobile development frameworks (Android, iOS, PhoneGap, Titanium platform, ...). Because of the capability of PhoneGap, Titanium and other frameworks like them, at the end, the mobile apps were built on both Android and iOS instead of "write for one, run for all".

I also designed architecture for this project: request and response flow, class structure, folder structure. Designed and optimized database structure.

Wrote API core structure for connection from mobile app and website.

Write core structure and requirement for mobile notification from the website with apns.

Team size: 8

2011

LEGEND CARDS / http://gloops.com/game/legend_card/

python django

Mobile web game

Improve performance, security.

I closed 6 serious security holes in this project, any of them can make the whole game shut down. Those bugs related to missing permission validation before doing actions.

Improved performance by using Redis/Memcache, refactoring source code, and convert source code to OOP style. Re-implement some function using background cronjob and shell execution to reduce the page load time.

Team size: 14

2010

ENGLISH QUESTION & ANSWER / website is down

php magento zend

Question and answer website, a clone of StackOverflow.

Team size: 2

2007 - 2010

DEBUGGING / <http://freelancer.com/>

php javascript joomla wordpress drupal

Did more than 20 jobs about debugging. Most of the time, those bugs cannot be solved by their current engineering team. So it requires me to quickly understand their code and detect where the bug should be, after that I fix those bug using their coding style so that they can easily understand and change when needed.

Team size: 1

2007 - 2010

WEB CRAWLER / <http://freelancer.com/>

php python

Developed about 30 applications for collecting data in some special websites.

Most of those websites require logged in to get information. Some of them are webmails, which is required about 10 steps in right order to log in.

Some websites (.NET, Oracle, configurated Apache) cannot be scrawled using cURL extension, so I must write a low-level code using fsockopen to request and take the response from those web server.

Some automation applications based on web crawling for vBulletin, cPanel.

Team size: 1