Bang Dao

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Personal statement

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

The most important things I learn 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 meet.

Core skills

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

Backend scripts

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

Databases

- MySQL, 8/10, Expert
- Postgres, 7.5/10, Advance
- Redis, 5/10, Intermediate

Frameworks

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

Javascript

- jQuery, 9/10, Expert
- ReactJS, 7.5/10, Advance
- AngularJS, 5/10, Intermediate

Mobile Frameworks

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

Front-end scripts

- HTML, 5/10, Intermediate
- CSS, 5/10, Intermediate

Work history

Team Leader – East Agile VN, Hochiminh

(2013 – Present)

East Agile apply pair programming process here, which is really good for engineer espectially for junior because the senior will teach them a lot when working in 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 client in US for 9 months. The project end when client have enough member to handle this project in-house.

I start the job in East Agile with a project for Linqia. Client want to re-build their ad-system with good test suite. We built an ad-server application (Python), a report 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, Hochiminh

(2012 – 2013)

I came to Vida to become their new team leader, the Magento team. The company give 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 have 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 peoples team, including me. Each 2 members handle 2 projects in development phrase, 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 customize Magento behaviour, writing new modules, packages, payment methods, etc... while teaching team to do so.

Our team is not the biggest team in the company at that time but we are the friendliest 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, Hochiminh

(2011– 2012)

I was a PHP expert when I join this company, my best friend invite 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 first day of work. The company give each of engineer (it's seem no body know 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 maintenance a project name "Legend Cards" game, the very famous web games in Japan at that time. After 1 month, I was given the leader 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 try to use 1 general solution to build 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 demo. At the end, the solution is developing 2 apps, 1 for android and 1 or iOS for each game.

Tead Leader – Blueway Jsc, Hochiminh

(2010– 2011)

I start my own business with my friends at Blueway. I was in charge of building the engineer 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 start-up 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.

Projects

2016

SAMSUNG S3O - 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 use Django API backend and ReactJS front-end for data browsing and filtering.
Because of this website's purpose, we spend most of time on UI and UX stuff:

- displaying 40k heat map point without hang browser
- transition between router pages
- 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

Improve test coverage from 30% to 90%

Reduce test running time from 10 minutes to 120 seconds.

Build some new API.

Follow strictly PEP-8 code 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

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

Rewrite some features on PHP application.

Add 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 provide 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 initial stage of this project, researched about the capability of mobile development frameworks (Android, iOS, PhoneGap, Titanium platform, ...). Because of 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 website with apns package.

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 shutdown. Those bugs related to missing permission validation before doing actions.

Improve 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, clone of Stack Overflow website.

Team size: 2

2007 - 2010

DEBUGGING

on http://freelancer.com/

php javascript

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

Team size: 1

2007 - 2010

WEB CRAWLER

on 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 web mails, which is required about 10 steps in right order to login.

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

Some automation applications based on web scrawling for vBullentin, cPanel.

Team size: 1