

CANH HO

Web Software Engineer

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Summary

I have been working in the Web development industry for more than 5 years, in both frontend and backend programming. I possess experience in all stages of the software development cycle, including excellent object-oriented programming skills besides a solid background in Data Analytics, Data Structures and Algorithms.

I am looking for a long-term position as a software engineer, where I can bring my experience and value towards your organization as well as to further broaden my knowledge.

Work experience

🏢 Essensys, London —Software Developer

🕒 JUN 2016 - PRESENT

Essensys is the world's leading workspace software & IT platform, powering workspaces with real-time bookings, Wi-Fi & bandwidth management, automated billing, and voice services.

I was one of the key members of the development team, my responsibilities were maintaining and building new features for Connect - their flagship product. I have successfully delivered services to more than 20 thousand operator members and tenants.

Some techniques that I used for the development were:

- PHP, HTML5, CSS3, jQuery, React.js for web dashboards.
- Node.js and Socket.IO for the notification system.
- Elasticsearch for call recording and Internet usage data storage.
- Jenkins, Gitlab, Docker, Kubernetes for source code management and continuous deployment.
- FileBeat + LogStash + Elasticsearch for logging.
- Hightcharts, D3 for data visualization.

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Skills

✓ General-purpose programming languages: **Python, PHP, JavaScript, C++**

✓ Front-end scripting libraries & languages: **JQuery, ReactJS, Twitter Bootstrap, HTML5, CSS3, SASS, SCSS, Highcharts, D3**

✓ Infrastructures as a service: **Amazon Web Services, Google Cloud Platform, DigitalOcean, Heroku, RackSpace**

✓ Frameworks: **Django, Tornado, Flask, Symfony, Laravel, Codelgniter**

✓ Web scraping: Scrapy, Selenium, XPath

✓ Other web technologies: **Node.js, Socket.io, JSON, JSONP, XML**

✓ Database management systems: **MySQL, PostgreSQL, MongoDB, Elasticsearch, Redis**

✓ Logging solutions: Filebeat, Logstash, Elasticsearch

✓ Social APIs: Google, Facebook, LinkedIn, Twitter

✓ Version control systems: **Git, SVN**

✓ Operating Systems: **Linux** (Ubuntu & Centos), **MacOS**, Windows

✓ Continuous integration techniques: **Jenkins, Gitlab, Docker, Kubernetes**

✓ Project management applications: Jira, Trello, GitHub, Bitbucket

Work experience (cont.)

Freelance, London — Software Developer

SEP 2015 - JUN 2016

During my master's degree at Bournemouth in Applied Data Analytics, I was working as an individual freelancer for nearly 9 months.

The Social Ads Group, London — Lead Developer

APR 2015 - SEP 2015

The Social Ad Group was the winner of the IDEALondon start-up competition 2013 and a Finalist for the Sports Technology Awards 2014. It was created to apply a level of context to social media, offering a series of solutions to find relevance in the content generated by millions, ready to be used by businesses and brands to influence their consumer's behaviour.

I was working closely with the CTO to build a data analysis system called TrendIN for advertisement monitoring and reporting. As the main developer of the project, I took the responsibility of designing and constructing web servers, backend API services, enhancing the user interface and user experience of the dashboard and the home website. The project was developed mainly in Python.

Harveynash Vietnam, Hanoi — Software Engineer

APR 2014 - APR 2015

NashTech Vietnam in Hanoi is a part of Harvey Nash Group.

I worked as a member of an offshore development team across multiple projects, serving clients from UK, Europe and Asia.

The projects that I was working on included both frontend and backend development. The main required programming technologies were Python, PHP, MySQL, jQuery. We used frameworks such as Symfony, Laravel (PHP) and Django (Python) for web development and Flask (Python) for API services. Several No-SQL databases like MongoDB, Redis and Elasticsearch were involved. We used a 2-week sprint Scrum model for project management. Git was used for source code management.

VCCorp, Hanoi — R&D Developer

2013 - 2014

My R&D team at Vietnam Communications Corporation (VC Corp) held the responsibility to build a backend system for monitoring and analysis millions of requests came to Muachung.vn and Enbac.com per day. These websites are amongst the biggest e-commerce marketplaces in Vietnam at that time.

My achievements:

- Maintained the old analysis system based on PHP and MySQL.
- Completed research into cutting-edge technologies like big-data; distributed systems and parallel computing.
- Successfully rebuilt a stable, high-performance analysis system using the Python programming language and several supporting technologies.

Awards & Certificates

❖ Second prize in Vietnam National Olympiads in Informatics 2008

The national competitive programming contest for high school students in Vietnam.


❖ Runner-up prize in #nhsnavigationhack 2016

We built an app that helps migrants understand how to use the National Health Services.

❖ International English Language Testing System (IELTS)

7.0/9.0

Languages

 **Vietnamese**: Native speaking

 **English**: Working proficiency

Education

Bournemouth University, Bournemouth

 MSc Applied Data Analytics

SEP 2015 - SEP 2016

University Of Engineering And Technology - Vietnam National University, Hanoi

 BSc (Hons) Computer Science

2009 - 2013

Hobbies

When I am not sitting at my desk, I spend my spare time learning guitar and taking photos⁽¹⁾. One of my photos has been commended (top 50) in Sony World Photography Awards 2013⁽²⁾.

(1) <http://photo.canh.me>

(2) <https://www.worldphoto.org/id/node/2311#&gid=1&pid=25>