

DUC / MINH DUONG

SOFTWARE **DEVELOPER**



0451 87 2009



up209d@gmail.com



https://ducup.dev

Unit 2307, 11 Rose Lane, Melbourne, VIC, 3000

INTRODUCTION

DOB: 20th September 1987 | Nationality: Vietnamese

My career goal is to be a well-rounded front-end developer. I keep myself up to date with the most recent technologies of the industry, share my experience to communities and learn from other developers all over the world. Along with making UI components for a website, software and mobile application, my job is also about data visualizing, 2D/3D interactive & abstract presentation so-called creative coding. Creative coding can be achieved in any developing environment. With years of experience in web industry, thus, I prefer creative coding in this area. For that way, I can balance between illustration idea and programming. It is so interesting that what you made in static design turned into live by the art of math and logic underneath your coding lines.

EDUCATION

2005 - 2009

Bachelor of Computer Sciences - Information Technology

> Vietnam National Economics University

2009 - 2012

Diploma of Digital Animation & Motion Graphics

> Vietnam FPT University

2014 - 2016

Master of Multimedia

> Monash University

PROFESSIONAL SKILLS

FRONT-END DEVELOPING



AngularJS



React

+

+



UI-Router



React Router

+

+



Bootstrap



Redux

+



Material-UI

CREATIVE CODING



D3

+



GSAP

+



PixiJS

+

three.js



BACK-END DEVELOPING



NodeJS

+



ExpressJS

+



mongoDB

OTHER SKILLS



docker



PHP

+



MySQL

+



Java



spring

SUPPORTING ADDITIONAL SKILLS

Version Control



git



GitHub



Bitbucket

Project Packaging



Webpack



Gulp

Map & Chart Libraries



Leaflet



Google Map API



Highchart



BASH



Python

DUC / MINH DUONG

SOFTWARE **DEVELOPER**



0451 87 2009



up209d@gmail.com



https://ducup.dev

Unit 2307, 11 Rose Lane, Melbourne, VIC, 3000

WORK EXPERIENCE

5+ Years Experience

ENERGETIQ SERVICES PTY LTD

Level 27, 303 Collins Street, Melbourne, Victoria, 3000 | +61 3 8622 1900 | energetiq.com.au

From May 2019 to Now

Position: **Full-time Software Engineer**

Working across current leading edge technologies | Projects: NBV, NBM, QUANTIFY, & METERING

- React + Redux (Thunk) + React Router + Styled-components + React-vis
- React Unit testing with Jest + Enzyme, E2E testing with Cypress
- AWS Products: API Gateway + Lambda (Nodejs) + Cloud Formation/SAM + SQS + SNS + ECS + EC2
- CI/CD Tools: Jenkins + AWS CodeBuild/CodePipeline + Ansible
- Performance Testing: Jmeter/Taurus
- Agile Tool: JIRA | Version Control: GitHub

DATA ARTS PTY LTD.

8/95 Victoria Street, Fitzroy, Victoria, 3065 | info@datalabsagency.com | 03 9416 3033

From 1st June 2017 to 1st July 2018

Position: **Full-time Front-end Developer & Data Visualizer**

> Projects:

Dep. of Education & Training – School Funding Estimator
<https://www.education.gov.au/school-funding-estimator/>

Datalabs – Queensland Wildlife:
<https://demos.datalabsagency.com/qld/>

Datalabs – Introduction to Data Visualization:
<http://aws.datalabs.com.au/>

Obikus – Interactive Chain Map:
https://demos.orbikus.com/orbikus_interactive_chain_map

SEEK – Laws of Attraction (AU/NZ):
<https://insightsresources.seek.com.au/page/data-lab>

Melbourne University Research Events Map:
<http://benews.unimelb.edu.au/>

Private Projects Clients:

Transport for Victoria | Australasian Fleet Management Association (AfMA) | Transurban Ltd. | Turnstile Group

Duties:

- Data Visualization developing: D3/HighChart + GreenSock/PixiJS.
- Map Visualization developing: Leaflet/Google Map/MapBox.
- 3D Data Visualization developing: ThreeJs + Native WebGL (GLSL).
- Front-end developing: AngularJs 1.x + UI-Router + Bootstrap 4.
- Front-end developing: React + React-Router + Redux (Thunk/Saga) + Material-UI + React-Motion.
- Project packaging development and production with Webpack/Gulp.
- Back-end developing: Nodejs + ExpressJs + Document-based databases (MongoDB/Firebase).
- Back-end developing: Apache/NGINX PHP + MySQL.

> **Project Version Control:** GitHub & Bitbucket

> **DataArts Domains & Servers:** I take care of company's domains and clients' domains, assign SSL Certificates on them, managing Data Arts Servers (NodeJs Server on AWS EC2 – Ubuntu, NGINX Server on Liquid Web Hosting – via CPanel & WHM).

DUC / MINH DUONG

SOFTWARE DEVELOPER



0451 87 2009



up209d@gmail.com



https://ducup.dev

Unit 2307, 11 Rose Lane, Melbourne, VIC, 3000

WORK EXPERIENCE

5+ Years Experience

A GAP IN MY CAREER

From 1st May 2014 to 30th May 2017

Studied at Monash University

I focused on study in order to get a good academic record at Monash University. I found that doing freelancer job take too much time so I couldn't focus on my self-projects at Monash. I decided to temporarily quit the freelance offers. After graduate, I spent few months resting and travelling. It also took me other months updating my knowledge and building my portfolio online which is now at <http://up.damgteam.com>.

Self-Projects at Monash University

Australian Open Tennis - History (TouchScreen Version)
<https://up209d.github.io/OpenTheFirst/>

Night Owl vs Early Bird - Interactive Web Illustration
<https://up209d.github.io/LastAssignment/project/>

CMC TELECOM

11th floor, CMC Tower, 11 Duy Tan, Dich Vong Hau Ward, Cau Giay District,
Hanoi, Vietnam | info@cmctelecom.vn | Tel +84 1900 2020

From 3rd April 2012 to 24th April 2013

Position: Full-time Web/iOS Developer & Designer

> **Developing:** I was a main developer for website development in CMC Telecom, and partly for UI Development for iOS applications (Objective C).

- Developed web game interface for GameXanh, an online card games project.
- Developed front-end part for Life4U project - an e-wallet service - including website & mobile applications.
- Developed website for SMSViet - a SMS Branding Service - with WordPress CMS with custom template & plugins.
- Developed iOS UI part of an application for managing documentation of General Department of Taxation
- Developed web-based interactivity advertisements (HTML Canvas, Flash).
- Managed and maintained MySQL databases for GameXanh, Life4U & SMSViet.
- Programmed with PHP, ASP, Objective C, JavaScript (Jquery, Underscore & AngularJs), HTML5 & CSS.

W.G CO. LTD

Unit 1503 - C37 Bac Ha Building - To Huu - Thanh Xuan District
Hanoi, Vietnam | info@wecan-group.com | Tel +84 24 6664 0261 / +84 24 6285 2660

From 1st August 2009 to 1st February 2012 | From 1st May 2012 to 1st March 2014

Position: Freelancer Front-end Developer

> **Developing:** I took responsibility for front-end part of ~100 website projects in W.G such as information websites, ecommerce online shopping websites and partly did website design also.

- Converted design from PSD to PHP, HTML, Javascript & CSS.
- Developed custom UI Templates (PHP) for W.G Commercial CMS.
- Test and debug front-end part for browsers compatibility (IE 6,7,8,9,10,11, Mozilla Firefox, Google Chrome).
- Integrated AJAX techniques (Jquery AJAX) in client-side to communicate with W.G Commercial CMS.
- Developed PHP RESTful API for AJAX JSON Data fetching from W.G Commercial CMS Database.
- Developed interactive banners, slideshows, photo galleries, carousel sliders by Javascript & HTML Canvas renderer.

DUC / MINH DUONG

SOFTWARE **DEVELOPER**



0451 87 2009



up209d@gmail.com



<https://ducup.dev>

Unit 2307, 11 Rose Lane, Melbourne, VIC, 3000

SKILL PROFILE

FRONT-END DEVELOPING

I divide my front-end approaches into 2 stacks:

- > **AngularJS + UI-Router + Bootstrap**: I started this stack from the beginning of my front-end journey in combination with **Gulp** as project packaging. It is still my favorite SPA developing stack for its convenience of project setup and widely supported by front-end community.
- > **React + React Router + Redux + Material UI**: This stack is my sword in front-end developing industry, particularly with the support from **NodeJS** server and **ExpressJs**, it can be easily to achieve server-side rendering. I am capable for setup vanilla project boilerplate from scratch with manual **Webpack** configuration as well as from instant-toolkit such as **React-create-app** or framework like **NextJs**.

CREATIVE CODING

Creative coding is not only my job but also my hobby. Doing experiments on wide variety of javascript libraries is what I often do in my leisure time.

- > **D3/GreenSock**: I use **D3** for developing charts & graphs, SVG manipulation and controlling time-based tween transitions. In project without charts & graphs, I would consider **GreenSock** or other dedicated timeline managing libraries such as **AnimeJs** or **PopMotion**. All of them can be used in combination with Canvas Renderer and WebGL Renderer to create amazing animations.
- > **PixiJs/ThreeJs/WebGL**: **PixiJs** is my top choice of 2D WebGL Renderer while **ThreeJs** is absolutely the way to go with 3D WebGL Renderer. Particularly, both libraries are capable to make custom shaders which are written in native **WebGL (GLSL)** language in order to maximize the usage of GPU and minimize the work-load burden from CPU thus, significantly improve graphic performance.
- > **Others**: There are still a tons of amazing libraries and toolkits from genius developers out there. They are worth to learn and I got experiments on some of them. For example: **Matter.js** - A Js physic simulation, **Paper.js** - a vector graphic manipulating library, **P5.js/Processing** - a great source of learning maths and creative coding strategies, and **vvvv** - a productive toolkit for creative coding.

BACK-END DEVELOPING

Being a front-end developer, I am aware of that I need to know about back-end developing also since the mixing area between front-end and back-end is significant. In addition, some techniques cannot be achieved by client-side only but must be implemented from a server environment.

- > **PHP/MySQL**: I have started using **PHP** and **MySQL** to make **RESTful API** for **AJAX** calling since a dissertation of my I.T Bachelor in 2009. These days, I am still using it with my **AngularJs** stack for many clients who do not require the new **NodeJs** server but traditional **NGINX/Apache** server.
- > **NodeJs + ExpressJs + MongoDB/Firebase**: In combination with my **React** stack, the outcome (**MERN Stack**) is the most modern and universal web developing solution at the moment. **MERN Stack** is a game change of my career and I would prefer using this developing eco-system in all of my next coming projects.

OTHER ADDITIONAL SKILLS

I am flexible based on the work requirements, I find myself obtaining additional skills such as **HighChart** - an instant solutions of charts on web, **Google Map API + Leaflet** - vital map providers and controllers. I am also suitable for design works with **Adobe Creative Suite** (Photoshop, Illustrator, InDesign & After Effect).