

# DUC / MINH DUONG

SOFTWARE **DEVELOPER**



0451 87 2009



up209d@gmail.com



<https://ducup.dev>

Melbourne, Victoria, Australia

## 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



React



Angular

### CREATIVE CODING



D3



GSAP



PixiJS

three.js



### BACK-END DEVELOPING



NodeJS



spring



mongoDB



PostgreSQL



MySQL



DynamoDB

### SUPPORTING ADDITIONAL SKILLS

Version Control



GitHub



Bitbucket

Bundlers



Webpack



PARCEL



Gulp

Map & Chart Libraries



Leaflet



Google Map  
API



Highchart

Others



docker



BASH

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## WORK EXPERIENCE

9+ Years Experience

### GO1 PTY LTD

Level 8, 257 Collins Street Melbourne, Victoria, 3000

**From Jan 2022 to Now**

Position: **Full-time Senior Software Engineer**

#### Projects: LevelUp

- Backend development with Nodejs (REST/GRAPHQL API)
- Mobile app development with React Native + E2E Testing with CodeceptJS (Appium)
- Web Development with NextJs + E2E Testing with Playwright
- AWS Infrastructure as code with Pulumi
- AWS Serverless Architecture & Design (Notification Service, CMS)
- Identity authentication with Auth0
- Agile Tool: JIRA | Version Control: Gitlab | CI/CD: Gitlab

#### Duties:

- Take part in agile project management (JIRA) for LevelUp feature planning and task estimation
- Take ownership for LevelUp frontend projects (Website, Mobile App, and CMS Admin Panel) including project development, architecture design and infrastructure configuration (AWS)
- Take ownership for LevelUp Notification service including project development, architecture design and infrastructure configuration (AWS)
- Take charge of integrating authentication service (Auth0) into LevelUp backend (User Profile API) and frontend (User Login/Signup) workflows
- Configure GitLab CI/CD for LevelUp projects such as Web, Mobile App, CMS, Notification Service, and Content Feeder Service
- Implemented workers to automatically crawl content from external sources such as API, RSS feed and AWS lambdas using Nodejs + Typescript
- Use NextJs (React) for serverside rendering web application, in combination with Enzyme for unit testing, Playwright/Cypress for E2E testing
- Use React Native for mobile app development (IOS and Android), in combination with Enzyme for unit testing, Appium for E2E testing
- Design and implement RESTful API for administration web portal using Nodejs + Typescript

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### ENERGETIQ SERVICES PTY LTD

Level 27, 303 Collins Street, Melbourne, Victoria, 3000 | +61 3 8622 1900 | [energetiq.com.au](http://energetiq.com.au)

**From May 2019 to Sep 2021**

Position: **Full-time Software Engineer**

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

#### Duties:

- Develop RESTful API for NBV, QUANTIFY, SDR backend in order to simplify queries to ElasticSearch (Java SpringBoot 3)
- Make batch jobs for index/re-indexing records from database (DocumentDB, DynamoDB, & PostgreSQL) to ElasticSearch
- Investigate and improve API query performance and indexing performance based on ingestion test and performance test
- Implement pact test between services
- Take charge of developing webapp for NBV, NBM, QUANTIFY, METERING, and SDR using React, Styled Component & Redux
- Take main charge of customising interactive charts and graphs for webapp projects
- Maintain and upgrade Energetiq react common components (COMPONENTIFY)
- Develop lambda (NodeJS) for requeuing messages from DLOs back to original queue
- Configure API/Batch process error alert rules with Slack and OpsGenie integration
- Maintain legacy testing and deploying pipelines on Jenkins, develop new CI/CD with AWS Codebuild and CodePipeline running Ansible
- Implement AWS Cloud Formation for infrastructure configuration (YAML template and later on Python CDK)

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### DATA ARTS PTY LTD.

8/95 Victoria Street, Fitzroy, Victoria, 3065 | [info@datalabsagency.com](mailto:info@datalabsagency.com) | 03 9416 3033

**From June 2017 to July 2019**

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](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: 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).

### A GAP IN MY CAREER

**From May 2014 to 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/>

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### CMC TELECOM

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

**From April 2012 to 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](mailto:info@wecan-group.com) | Tel +84 24 6664 0261 / +84 24 6285 2660

**From August 2009 to February 2012 | From May 2012 to 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 web-sites, 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.