CURRICULUM VITAE

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| **Nguyen Ngoc Linh**  Senior Software Engineer  **Personal Information**  Date of birth : 13 Feb 1991  Gender : Male  Telephone : 0935 422 820  E-mail : [linh.nguyen.it91@gmail.com](mailto:linh.nguyen.it91@gmail.com)  Website : <https://willnguyen.work> |
| **Skill Summary**  PHP : Laravel, Zend, Yii framework, Moodle, WordPress CMS. JS : NodeJS, Angular 1,2 & 4, JQuery, Sass, Datatables. Python : Python, Selenium, Flash, Peewee, Mongoengine, Scrapy.  ML : Stats basics, EDA, Scikit-learn, numpy, pandas, seaborn.  ETL : Spark, Airflow, Crawler, extraction, and data processing |

**PROFESSIONAL SUMMARY**

Senior software engineer with four-plus years of engineering experience in web application software that expedite the efficiency and effectiveness of organizational success. Committed to training, motivating team member and manage team to achieve goals while ensuring efficient project progress. Confident communicator, strategic thinker, and innovative creator to develop software that is customized to meet a company’s organizational needs.

Currently, I'm interest in Machine Learning, data visualization and creative thinking. Creating data regression models to predict trending and analysis for insight.

**OBJECTIVE**

* Strong administrative and organizational skills
* Work effectively both as team member and independently
* Experienced in problem-solving
* Enthusiastic and committed
* Willing to learn new technology and trending
* Adapt challenges at work

**PASSION IN MACHINE LEARNING**

* I interest in data extraction, data mining, machine learning and AI
* Using visualization tool Gephi, or python seaborn, along with pandas, scikit-learn
* Statistics and EDA for insight

**TECHNICAL SKILLS**

* PHP, ORM, Lavavel, Zend, Yii framework, Moodle, WordPress CMS.
* Nodejs, Angular 1,2 & 4, Webpack.
* JS: NodeBB, Mansonry.js, LokiJS, JQuery, Datatables.
* HTML, CSS, Bootstrap, Sass, grunt, gulp.
* MySQL, PostgreSQL, NoSQL, MongoDB.
* Git, SVN, gitflow merge and rebase.
* Linux, server deployment, Jenkins CI/CD.
* Vagrant, puppet, centos setup.
* Docker compose, and setup.
* Microservices, RabbitMQ, AWS services.
* Python Scrapy, Selenium for data extraction.
* Data processing beautiful soup 4, regex, transformation, Peewee ORM, flask.
* Machine Learning scikit-learn, numpy, pandas, visualization.

**WORKING EXPERIENCE**

**2015 – 2019**

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| **PROJECT** | **Kaplan** |
| **Duration** | 1-Sep-2018 - 1-May-2019 |
| **Position** | Developer |
| **Project Description** | Kaplan provide services which assess student’s application qualify. Include front-end, back-end service, and finance. All micro-services communicate via RabbitMQ, deployed on AWS, and monitored by Kubernetes. |
| **My Responsibility** | * Work with microservices, and AWS services * Docker compose and configuration. * Implement API for other services, and process data communicate between microservices * Work with RabbitMQ * Good communicate with BA, PO, commitment, support member on blocker. |
| **Technology** | Micro Services, AWS services, RabbitMQ, Docker, AngularJS 4, Yii framework, MySQL. |

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| **PROJECT** | **OU - OPEN BADGES** |
| **Duration** | 1-May-2018 - 30-Sep-2018 |
| **Position** | Team Lead |
| **Project Description** | The OU makes a proportion of all its taught modules available to the public via OL each year. This process involves the modification, of module excerpts, showcasing subject matter and teaching approach. |
| **My Responsibility** | * Create new module to sync all existing badges across multiple platform * Integration with NodeJS, custom Mozilla backpack open source to serve business purpose. * Conduct team, training new members in team, support team on blocker. |
| **Technology** | NodeJS, Mozilla backpack, Moodle, Behat test, PHP, Sass, JQuery. |

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| **PROJECT** | **OU - OPEN FOR GROWTH and WELCOME TRUST** |
| **Duration** | 07-Sep-2017 - 30-Apr-2018 |
| **Position** | Team Lead |
| **Project Description** | The project is enabled by donations made to The OU to develop a programme of on line learning aimed at skilling up small and medium sized enterprise (SME) owners and their employees so that they can scale up and expand their businesses into other markets. |
| **My Responsibility** | * Create new modules following PO requirement. * Setup Jenkins for auto build source code from git, and auto run Behat and extraction report daily. * Implement Behat BDD testing, and unit testing. * Using Jekyll to create marketing site. * Communicate with customer on behalf of team, review code, handle issues. * Training and motivate team on work, support team if have issues. |
| **Technology** | Jekyll, Moodle VLE custom, PHP, JQuery, Javascript, Behat |

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| **PROJECT** | **FiNAO** |
| **Duration** | 15-Mar-2017 01-Sep-2017 |
| **Position** | Developer |
| **Project Description** | The PRIME project is the base project for all of other projects of FiNAO, where all new components will be developed inside PRIME first and then distributed out to each project.  The other projects are HSEQ (Health, Safety, Environment, and Quality) systems for various companies to manage audits, incidents and other things, which help to convert all paper works onto a web-based solution. |
| **My Responsibility** | * + Implement new form with Laravel 5.x, along with AngularJS.   + Perform full unit test on the assigned tasks.   + Working with multiple site, and repository. |
| **Technology** | Laravel5.x, PHP, AngularJS, CSS, HTML, JavaScript. |

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| **PROJECT** | **SCHIAVELLO** |
| **Duration** | 03-Jan-2017 - 15-Mar-2017 |
| **Position** | Developer |
| **Project Description** | Sales system is critical to the business of Schiavello in terms of fast and accurate submission of quotes to customers, whose projects spans across multiple geographies (states & countries).  Sales teams are spread across geographies, working on the multi-year quotes with hedging, inflations, multi-currency, multi-sourcing, discounting, etc.., taken into consideration, while preparing the quotes |
| **My Responsibility** | * Construct the Angular 2 cli, and webpack and integrate third party libraries, tree-component, Datatables JS, underscores utility. * Implement front end task using bootstrap, sass which shows the table can drag & drop, and responsive. * Using LokiJS database on browser to optimize speed response time under 1 second. Using localstorage, IndexedDB. * Develop Angular 2 JS with .NET API, debug, fix bugs. |
| **Technology** | * ASP.NET Web API 2.2, Restful * HTML5, AngularJS 2, CSS3, Bootstrap 3.3.6, LokiJS, Redis. * JMeter |

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| **PROJECT** | **OU – OL and OLC** |
| **Duration** | 1- July-2016 - 30-Dec-2017 |
| **Position** | Developer |
| **Project Description** | The OU makes a proportion of all its taught modules available to the public via OL each year. This process involves the modification, of module excerpts, showcasing subject matter and teaching approach.  This activity serves both the University’s social and business missions through the delivery of free courses to the public, but increasingly its students are using it to inform module choice, to augment their studies and to boost confidence. |
| **My Responsibility** | * Create new layout and extend functionality on existing CMS. * Write JQuery with Sass. * Strictly follow code convention of customer defined, along with code checker and Moodle php docs. * Perform full unit test, automation test on the assigned tasks. * Using gherkin, writing more extent functions for Behat. * Incident and bug fixing |
| **Technology** | * Automation test, Behat test, Gherkin syntax, and unit test. * Moodle framework, modular web application * JQuery with AMD, Sass |

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| **PROJECT** | **AUSSIE - TOOLBOX** |
| **Duration** | 1-Sep-2015 - 30-July-2016 |
| **Position** | Developer |
| **Project Description** | A single, customer centric database that allows manage all customer interactions and prospects in the one system  Eco-system to support entire business operation from client which was initiated as a centralizing working space for:  Broker to work with customer in providing point of sale support of full workflow from initial need analysis step to settlement.  The client to manage all master data for business operation: offices, branches, brokers, lenders, products, and related services.  Eco-system with large scalability with new features added as fast grow up of business |
| **My Responsibility** | * Write code based on detailed designs and Functional/Requirement Specifications. * Strictly follow code convention AngularJS and Zend framework. * Perform full unit test coverage on the assigned tasks. * Use ORM, and write SQL code to optimize performance. * Incident and bug fixing. * Work in agile project, commit task and finish on time. |
| **Technology** | * Agile, Angular.JS, Codeception, Jquery/JqueryUI, Performance Testing, PHP, PHPUnit, Security testing, Biztalk integration * DB: MySql |

**EDUCATION**

**2009 - 2014**

**Graduate Program at Ho Chi Minh International University - HCM, Vietnam**

**Thesis:**

* Data Collection Tools on Social Networks: Dynamic Web Crawler.
* Get data from timeline on Facebook site and data mining, using Gephi software to visualize analysis user behaviors.

**Subjects studied:**

* Programming languages: C, Java, PHP, JavaScript, MySQL, HTML, XML.
* Object-Oriented Analysis and Design Pattern, Data Structure and Algorithm, Software Engineering, Database Management System, Artificial Intelligence, Information Management System.

**University projects:**

* Bookstore Management System (in Software Engineering class – 2011 – as a Designer and Developer)
* Local Network Chat System (in Net Centric Programming class – 2012 – as a Developer)
* Car for Sale Website (in Web Applications and Development class – 2012 – as a Developer and Tester)

**HOBBIES AND INTERESTS**

* I interest in data extraction, data mining, machine learning and AI.
* Using Scrapy or Selenium for extraction.
* Using visualization tool Gephi, or python seaborn, along with pandas, scikit-learn.
* Learn AI algorithm, machine learning, statistics

**REFERENCE**

International University, Ho Chi Minh National University

Harvey Nash Vietnam (Nash Tech).