

# NGUYEN NGOC DUE

Web Developer

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**My Website** <https://deepbim.net>



## Overview

+ **Online CV:** <https://deepbim.net/user/show/profile-owner>

+ Over 3 years of experience in web development and backend engineering, with strong skills in building scalable and high-performance applications.

+ Extensive hands-on experience with PHP, Laravel, MySQL, PostgreSQL, Python, React.js, TypeScript, Vite, and Docker.

+ Skilled in designing and developing RESTful APIs, optimizing system performance, and working with large-scale data.

+ Proficient in using MySQL and Python for data analysis, performance reporting, and trend analysis to support business decision-making.

+ Created automated scripts and dashboards to extract, process, and visualize key metrics from operational data.

+ Actively exploring Microservices, Kubernetes, and RabbitMQ to build robust distributed systems.

+ Experienced with Git and Bitbucket for version control, and comfortable working in Linux (Ubuntu) and Windows environments.

+ Proficient in HTML, CSS, JavaScript, and Blade templating to support full-stack development when needed.

+ Quick to learn and apply new technologies; adaptable to modern development environments

+ Strong analytical thinking, teamwork, and problem-solving abilities.

+ Clear and effective communicator with cross-functional teams and stakeholders.



## Work experience

**05/2019 – 10/2020**

### THE BIM FACTORY

(<https://www.the-bimfactory.com/vi>)

#### BIM Automation Developer

- Designed and developed internal data management tools to support team operations and workflow efficiency.
- Maintained and improved internal websites and web-based tools for project tracking and collaboration.
- Implemented automation scripts using Python to streamline routine tasks and data processing.

**11/2020 - 12/2021**

### TOBIC OF JAPAN, VIET NAM

(<https://www.toda.co.jp/company/map/overseas-network.html>)

#### Software Developer – R&D for Construction Task Management

- Built desktop tools with Python and C# to automate construction task management.
- Developed point-cloud processing tools and data validation scripts.
- Provided training on scripting and internal tool development.

04/2022 – present

TLC - MODULAR

(<https://www.tlcm modular.com/>)

Full-stack Developer

- + Developed the front-end of an internal social network using React.js.
- + Built web interfaces (JavaScript, PHP + Blade) for company website modules focused on QAQC and factory process management.
- + Designed and implemented databases (PHP, MySQL) for automated reporting systems.
- + Analyzed QAQC data and business trends using Python and complex SQL queries.
- + Deployed and maintained containerized web applications with Docker.
- + Designed databases for manufacturing workflows and implemented systems for automated report generation using PHP (Laravel) and MySQL.

Education

08/2015 – 08/2020

HCMC University of Technology and Education

B.E. in Civil Engineering – Focus on software & automation  
Graduation Classification: Good

Skills

- Main**
- Frontend: HTML, CSS, React.js, Shadcn, Ant Design
  - Backend: PHP (Laravel), Node.js (NestJS), Python, C#, C++
  - Database: MySQL, PostgreSQL
  - API: RESTful API design and integration
  - DevOps: Docker, Kubernetes (K8s), Apache, Nginx
  - Languages: English – Intermediate (B1)
- Other**
- GIT, Bitbucket
  - Elasticsearch

Projects

Dynamo API - Python

(01/2022 - Present)

Client	Build and develop the Dynamo, pyRevit Vietnam community.
Descriptions	Develop classes, functions, and nodes for Dynamo and pyRevit users.
Number of members	1
Position	Developer, Tester, Video Editor
Responsibilities	<ul style="list-style-type: none"><li>• Developer</li><li>• Support development tools for modeling in Revit.</li></ul>
Technology in use	<ul style="list-style-type: none"><li>• Frontend: Winform, WPF</li><li>• Backend: Python, C#</li><li>• Source Code: <a href="https://github.com/nguyenngocdue/Library-Dynamo-Python-CSharp">https://github.com/nguyenngocdue/Library-Dynamo-Python-CSharp</a></li><li>• Product (search by name: BIM3DM): <a href="https://www.dynamopackages.com">https://www.dynamopackages.com</a></li></ul>

Amazon Microservice  
(08/2024 - 12/2024)

Client	Cybersoft
Descriptions	Demo: Develop and deploy an e-commerce platform using Microservices architecture, RabbitMQ, Docker, and Kubernetes (K8s) across three environments: Development, Staging, and Production.
Position	Developer
Responsibilities	<ul style="list-style-type: none"><li>Developer ( Backend)</li><li>Solution architect</li></ul>
Technology in use	<ul style="list-style-type: none"><li>Frontend: NextJS</li><li>Backend: NestJS, Postgress</li><li>Architecture: Microservice - Event driven (deploy with K8S), Websocket, Docker</li></ul>
Product	Source Code: <a href="https://github.com/nguyenngocdue/amazon_microservice">https://github.com/nguyenngocdue/amazon_microservice</a>

BIM Viewer  
(4/2025 - Present)

	Public projects
Descriptions	Design a web application capable of analyzing models from IFC files.
Number of members	2
Position	Fullstack
Responsibilities	<ul style="list-style-type: none"><li>Process models from IFC files.</li><li>Apply engine components library.</li></ul>
Technology in use	<ul style="list-style-type: none"><li>Frontend: ReactJS, ThreeJS, Shadcn</li><li>Backend: NestJS, Postgress, Docker, S3, C# ( Revit)</li><li>Database Schema: <a href="https://dbdiagram.io/d/deepbim_db_v2-65587aaa3be14957873ecfcd">https://dbdiagram.io/d/deepbim_db_v2-65587aaa3be14957873ecfcd</a></li><li>□ Production: <a href="https://deepbim.net">https://deepbim.net</a></li></ul>