NGUYEN NGOC DUE

BIM Developer

Name   Nguyen Ngoc Due

Preferred Name   Nissan

Email   duengocnguyen@gmail.com

My Website   *https://deepbim.net*

Birthday   30/08/1997

Phone / WhatsApp   0339001600

Address   Ho Chi Minh City, Vietnam

⊕ 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.tlcmodular.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	• Developer • Support development tools for modeling in Revit.
Technology in use	• Frontend: Winform, WPF • Backend: Python, C# • Source Code: *https://github.com/nguyenngocdue/Library-Dynamo-Python-CSharp* • Product (search by name: BIM3DM): *https://www.dynamopackages.com*

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	• Developer (Backend) • Solution architect
Technology in use	• Frontend: NextJS • Backend: NestJS, Postgress • Architecture: Microservice - Event driven (deploy with K8S), Websocket, Docker
Product	Source Code: *https://github.com/nguyenngocdue/amazon_microservice*

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	• Process models from IFC files. • Apply engine components library.
Technology in use	• Frontend: ReactJS, ThreeJS, Shadcn • Backend: NestJS, Postgress, Docker, S3, C# (Revit) • Database Schema: *https://dbdiagram.io/d/deepbim_db_v2-65587aaa3be14957873ecfcd* • ☐ Production: *https://deepbim.net*