

## Contact

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[devpath-traveler.nguyenviettung.id.vn/](http://devpath-traveler.nguyenviettung.id.vn/)

(Blog)

[github.com/nguyenviettung7691](https://github.com/nguyenviettung7691) (Portfolio)

## Top Skills

Front-end Development

Cloud Services

English

## Languages

Japanese (Elementary)

English (Full Professional)

Vietnamese (Native or Bilingual)

## Certifications

Certified Senior Vue.js Developer

Certified Senior JavaScript Developer

EF SET English Certificate 79/100 (C2 PROFICIENT)

## Honors-Awards

Conexus Service Award (5+ years)

Orient Software Loyalty Award (10+ years)

## Publications

Designing a Microservice-Friendly Databub

Web Authentication Demystified — From Concepts to Real-World

Understanding Cron from First Principles to Production

Passwordless: Modern Authentication Patterns for PWAs

Working with multiple branches in Git with Stash

# Tùng Nguyễn

Senior IT Consulting & Implementation @ Hitachi Digital Services | Fullstack • Cloud • System Design

Ho Chi Minh City, Vietnam

## Summary

Senior Front-End / Full-Stack Engineer with 10+ years in JavaScript-driven UI, 5+ years of full-stack & cloud-native delivery, strong Azure & DevOps background, and hands-on experience with modern Vue.js architecture, BFF patterns, and secure authentication systems.

Technically, I've driven stack and infrastructure upgrades using Vue.js + Pinia, .NET Core, JWT/BFF authentication patterns, and modern front-end toolchains (SASS/LESS, Bootstrap, modular JS/SVG components). I've led Azure cloud migrations and IaC-driven deployments, managed containerized services, and instrumented apps with Application Insights — plus developed POCs such as FIDO biometric authentication to raise product security and UX. I've also had hands-on experience with AI-assisted developing with tools such as Github Copilot, Firebase Studio, Codex to accelerate interpreting specs, implementing code and writing tests.

On the delivery side I've led small Scrum teams and collaborated with external partners (including the Singapore Ministry of Education on the OPAL CSL module) to improve reliability and user experience by systematically resolving stability and performance issues. My background spans DevOps, CI/CD, Docker, PHP/.NET backends, MySQL, and search (Elasticsearch).

I bring a product-minded engineering approach: balance clean front-end UX with secure, scalable infrastructure, mentor teams toward pragmatic solutions, and move projects from technical debt to modern, resilient architectures.

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## Experience

Hitachi Digital Services — APAC  
Senior IT Consulting & Implementation

January 2026 - Present (4 months)

Ho Chi Minh City, Vietnam

End-to-end technical implementation and business consulting for enterprise digital transformation projects.

☁ Project: EcoAssist-Enterprise-Light (Global Web Client).

Client: Hitachi Solutions.

Technical: Vue.js 3, PrimeVue, Vite, Vitest.

Description: ESG & Carbon Accounting Platform. Engineered a data pipeline to convert raw utility metrics into carbon equivalents (tCO<sub>2</sub>). Developed complex inventory logic for carbon credit lifecycles (Purchased vs. Retired) and automated Scope 1/2 compliance reporting.

Project: Congestion Visualization System.

Client: Hitachi Solutions.

Technical: ReactJS, Node.js, Express.

Description: Real-Time Occupancy & Workspace Visualization. Built a mobile-first floor-map system using responsive grid-based coordinates. Implemented a high-reliability integration layer with exponential back-off retries and multi-lingual search (Kanji/Romaji) to map real-time IoT occupancy data.

# Project: FUJIFILM IWpro (Capture/Automation).

Client: FUJIFILM Business Innovation.

Technical: Node.js, AWS Lambda, SQS, DocumentDB, jQuery.

Description: Enterprise document workflow automation for FUJIFILM.

Orchestrates 50+ microservices handling OCR, form classification, format conversion, and cloud storage integration (Teams,...). Features a rule editor UI for configuring multi-step processing pipelines.

Orient Software Development Corp.

5 years 4 months

Senior Software Engineer

April 2023 - December 2025 (2 years 9 months)

Vietnam

Outsourced to Conexus (Norway). Contributed to web app products including Conexus Elevate, focusing on modernizing the tech stack and infrastructure. My work involved implementing architect solution such as BFF (Backend for Frontend) and JWT authentication, integrating new frameworks (Vue.js, .NET Core, Pinia), managing Azure infrastructure code for service deployment,

developing POCs like FIDO-based biometric authentication, and upgrading front-end libraries such as Bootstrap.

### DevOps Engineer

September 2022 - March 2023 (7 months)

Vietnam

Outsourced to Conexus (Norway). Migrated Conexus's infrastructure from on-premise BaseFarm servers to Azure Cloud, focusing on network security, automated deployments, and infrastructure-as-code. Managed containerized app services and monitored performance using Azure Application Insights.

Personal project: Built a web-based tool to analyze and optimize Azure Firewall Policy rules from ARM template JSON. Merge similar rules, reduce redundancy, and simplify your Azure Firewall configurations.

Github: <https://github.com/nguyenviettung7691/azure-firewall-policy-optimizer>

Website: <https://azure-firewall.nguyenviettung.id.vn>

### Senior Software Engineer

May 2022 - August 2022 (4 months)

Vietnam

Outsourced to Conexus (Norway). Focused on the front-end of Engage and FollowUp, implementing core features, refining UI/UX with custom SVG-based icons, and maintaining clean, efficient code. I actively contributed within the Scrum workflow to deliver consistent, high-quality web experiences.

### Lead Software Engineer

September 2020 - April 2022 (1 year 8 months)

Ho Chi Minh City, Vietnam

Collaborated with the Singapore Ministry of Education on the OPAL e-learning platform, focusing on the CSL (Collaborative and Social Learning) module. Led a small Scrum team, contributed as a full-stack developer, and improved platform reliability through systematic resolution of SSAT and SPT issues.

### Conexus

2 years 9 months

### Lead Software Engineer

October 2019 - September 2020 (1 year)

Ho Chi Minh City, Vietnam

Worked with Conexus and the Singapore Ministry of Education on the OPAL e-learning platform, contributing to the CSL module that supports community-

based learning. Led a small Scrum team, developed full-stack features, and improved product stability through targeted SSAT and SPT issue resolution.

#### Frontend Developer

January 2018 - October 2019 (1 year 10 months)

Vietnam

Collaborated with Conexus and Conexus SG on front-end development for products such as Conexus Companion and Coursepad. Focused on upgrading libraries, building reusable web components, improving client-side workflows, and maintaining high-quality code within the Scrum development process.

#### Orient Software Development Corp.

##### Frontend Developer

October 2014 - January 2018 (3 years 4 months)

Vietnam

Outsourced to Conexus (Norway). Designed and implemented responsive web applications using ASP.NET MVC (Razor), jQuery, and LESS. Focused on cross-device and cross-browser compatibility, efficient bundling with Microsoft Optimization, modular JavaScript design, and UX improvements supported by custom graphics and icons.

#### F2Tech.Asia JSC

##### Fullstack Developer

October 2013 - September 2014 (1 year)

Vietnam

Joined when the company operated as VNYI (Vietnam Youth Intelligence) prior to its 2020 rebrand to F2Tech. Worked directly in the company product development. Contributed to multi-platform development, including a POS desktop app (C# WinForms, DevExpress), a web app (ExtJS), and a mobile app (Cordova, Telerik, Kendo UI). Managed database logic in SQL Server through well-structured stored procedures to ensure data reliability and performance.

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## Education

#### Hoa Sen University (Respect Diversity)

Bachelor's degree of Information Technology, Computer Software Engineering · (2009 - April 2014)