

Tat Binh Vu

Full-Stack Software Engineer

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SUMMARY

Full-Stack Software Engineer with 5+ years of experience building enterprise and e-commerce applications using C#/.NET and React/TypeScript. Experienced in multi-tenant Microsoft 365 integrations, event-driven processing, and Shopify app development, with hands-on delivery across backend, frontend, and cloud deployment.

PROFESSIONAL EXPERIENCE

Add-on Development 🌐, *Full-Stack Web Developer* 10/2021 – 08/2026 | Hanoi, Vietnam

Developed Microsoft 365 integration and workplace management products across backend services, React interfaces, and deployment pipelines in an eight-person team.

OfficePlace Connector | 12/2021 - 08/2024

Calendar and booking synchronization platform serving 100+ enterprise tenants and 15,000+ resources, processing millions of synchronization events daily.

- Migrated legacy Service Fabric/Actor services to .NET 8 microservices using ASP.NET Core and CQRS with MediatR.
- Implemented idempotent, event-driven synchronization using Microsoft Graph delta queries, Azure Event Hubs, RabbitMQ, and Polly retry policies.
- Designed PostgreSQL persistence with EF Core and Dapper; covered services with unit tests and implemented API authentication with IdentityServer4/JWT and managed database access and secrets through Microsoft Entra ID and Azure Key Vault.
- Deployed a Docker Swarm cluster on multiple modestly sized VMs with service replicas and restart policies. Implemented structured logging with Serilog and stage-level metrics, simplifying deployment and troubleshooting while reducing infrastructure costs.

Workplace Sensor Solution | 07/2024 - 08/2025

- Built a multi-vendor ingestion pipeline using REST polling and webhooks, normalizing events from Kontakt.io, LINAK, and Disruptive Technologies into a unified occupancy model.
- Implemented RabbitMQ-based sensor event processing and secured REST APIs to synchronize room and desk occupancy with booking data.
- Developed React/TypeScript dashboards for workplace occupancy and environmental data, and configured CI/CD pipelines.

Group Calendar | 02/2026 - 08/2026

- Developed shared calendar and meeting features using React, TypeScript, and Microsoft Graph, integrating with OfficePlace Connector and deploying as Teams and Outlook add-ins.
- Implemented client-side state management with Zustand and data fetching with TanStack Query.

3i 🌐, *Fresher .NET Developer*

12/2019 – 02/2021 | Hanoi, Vietnam

- Developed user and profile management features, including data-entry forms and file export.
- Investigated and fixed bugs in existing .NET application features, supporting ongoing maintenance.

PROJECT EXPERIENCE

Request A Quote & Hide Price

12/2024 – 10/2025

Freelancer Fullstack Developer | Shopify App Development, .NET, React/Typescript

- Built APIs for quote requests, approvals, and conversion to Shopify draft orders using the GraphQL Admin API and webhooks.
- Developed storefront quote forms through Theme App Extensions and metafields, alongside a React/TypeScript admin interface for price visibility rules and quote management.
- Optimized embedded admin and storefront performance, focusing on loading speed, responsiveness, and visual stability.
- Provisioned AWS EC2 instances and deployed Docker-containerized application services, configuring the hosting environment and managing application deployments.

COD Form & Upsells

01/2023 – 06/2024

Freelancer Fullstack Developer | Shopify App Development, .NET, React/Typescript

- Built an asynchronous order-processing pipeline using RabbitMQ consumers and Hangfire, handling Shopify order webhooks, order persistence, and confirmation emails.
- Implemented configurable shipping rules based on destination country, order value, and weight, alongside form configuration and conversion analytics APIs.
- Developed a React/TypeScript admin interface with Shopify Polaris and Redux, and a storefront Theme App Extension synchronized through Shopify metafields, optimized for Core Web Vitals.
- Containerized backend services with Docker and deployed them to AWS EC2, supporting the app's APIs and background order-processing workloads.

AREAS OF EXPERTISE

Programming Languages: C#, TypeScript, JavaScript, HTML5/CSS3.

Full-Stack Development: .NET, Node.js (Fastify), React, Next.js, Shopify Remix, PostgreSQL, SQL Server, Redis, RabbitMQ, Serilog.

Cloud & DevOps: Azure, AWS (EC2, ECS), Key Vault, Docker, CI/CD Pipelines, Nginx, Cloudflare.

Software Architecture: System Design, API Design, Microservices, Event-Driven Architecture, Design Patterns.

APIs & SaaS Integrations: RESTful & GraphQL APIs, Webhooks, MS Graph, Shopify & Wix Apps, JWT / OAuth2.

AI Tools & Engineering: Claude Code, Codex, OpenAI SDK, MCP Servers, Agent Harness, AI-driven automation.

EDUCATION

University of Transport and Communications

09/2017 – 09/2021 | Hanoi, Vietnam

Bachelor of Engineering in Information Technology

CERTIFICATES

Microsoft Certified: Azure Network Engineer Associate (Certified in 01/2024) |

Microsoft Certified: Azure Data Engineer Associate (Certified in 11/2023) |

Microsoft Certified: Azure Developer Associate (Certified in 05/2023)