

QUOC NGUYEN

TECHNICAL LEAD

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SUMMARY

Results-driven Technical Lead and Software Architect with over 15 years of experience designing, developing, and delivering scalable software solutions across POS, Healthcare, E-commerce, and Gaming domains. Proven ability to lead cross-functional, geographically diverse teams through the full software development lifecycle (SDLC). Expertise in .NET stack (C#, WPF, ASP.NET Core, MAUI), Microservices, Event-Driven Architecture, and Cloud technologies (Azure, AWS). PMP certified with strong project management, stakeholder communication, and mentoring skills. Committed to continuous learning and leveraging technology to solve complex challenges.

SKILLS

Programming Languages: C#, JavaScript, SQL, C++ (prior)

.NET Stack: .NET Framework, .NET Core/.NET 6+, ASP.NET (Core, MVC, WebAPI), WPF, WinForms, MAUI, Xamarin, WCF, Entity Framework, LINQ

Web Technologies: HTML5, CSS, Blazor, Node.js, RESTful APIs, gRPC, SignalR, jQuery, AngularJS (prior), Ionic (prior)

Databases: MS SQL Server, MongoDB, SQLite

Architecture & Frameworks: Microservices, Service-Oriented Architecture (SOA), Event-Driven Architecture, Design Patterns, MVVM, Prism, MEF

Cloud & DevOps: Azure (DevOps, Service Bus, Event Hubs, DocumentDB/CosmosDB, Redis), AWS (SQS, S3, API Gateway), CI/CD, Docker (basic understanding implied)

Methodologies & Tools: Agile, Scrum, Kanban, TDD, Git, Azure DevOps, Selenium, Jira (implied)

Game Development: Unity, Game Loop Architecture

Other: SDK Development, Data Synchronization, Windows Services, Telerik Controls, Infragistics

EXPERIENCE

Retail Management Hero | Ho Chi Minh City, Vietnam (Remote)

Technical Lead | May 2015 - Present

- ◆ Led cross-functional development and QA teams across Vietnam and India, ensuring successful project delivery through effective task delegation, deadline management, and resource allocation.

- ◆ Directed the complete SDLC (planning, architecture, development, testing, deployment) for large-scale Point of Sale (POS) software solutions.
- ◆ Architected and oversaw the development of the RMH Ecosystem, a comprehensive, event-driven POS system including Store Manager, Loyalty, Account Receivables, and a custom SDK.
- ◆ Designed and implemented the RMH Sync Framework, enabling robust, large-scale data synchronization between up to 60 store clients and central servers.
- ◆ Mentored and guided team members, fostering professional development and enhancing technical capabilities within the team.
- ◆ Served as the primary technical liaison between stakeholders, product management, and development teams, ensuring clear communication and alignment.
- ◆ Managed project timelines and resources effectively, proactively identifying and resolving technical challenges to maintain project momentum.
- ◆ **Technologies:** C#, .NET Framework/Core, WPF (MVVM, MEF, custom DataMapper), WinForms, MAUI, Xamarin, Microservices (gRPC, REST APIs), Event-Driven Architecture, MS SQL Server, JavaScript.

Freelancer / Self-Entrepreneur |

Remote

**Expert Software Developer &
Project Lead | Jan 2011 -
Present**

- ◆ Operated as an independent consultant and developer, delivering custom software solutions and managing outsourced projects for diverse global clients via platforms like Upwork.

- ◆ **Led the DM Game Studio initiative:** architected and developed real-time multiplayer games (PPH Poker, Fish Hunter, Dragon Hunter) utilizing Unity, .NET, Microservices, Blockchain/Web3 concepts, and Azure cloud services (DocumentDB, Redis, Service Bus/Event Hubs).
- ◆ **Developed and managed the LSB Organization project:** built Amazon Seller automation tools and a commercial website using .NET (WPF, Blazor), Microservices (RabbitMQ, Redis), and AWS (SQS, S3, Amazon API).
- ◆ Delivered a wide range of projects, from small utilities (IP Quick Switcher, SK JukeBox) to complex enterprise applications (Retail Hero Hybrid app, Tulip AppXDev.BillingSoft, OeeCoach, DocTalk Hybrid medical app).
- ◆ Managed full project lifecycle including client communication, requirement gathering, team building (hiring/outsourcing), development, and delivery.
- ◆ **Upwork Profile:** <https://www.upwork.com/freelancers/~01360dd9045f35aed3>
- ◆ **Technologies:** C#, .NET (WPF, WinForms, Silverlight, ASP.NET), Unity, Azure, AWS, Microservices, SQL Server, MongoDB, HTML5, JavaScript, jQuery, Kendo UI Mobile, Telerik AppBuilder, Ionic, Cordova, Xamarin.

DNAfor.NET | Ho Chi Minh City,
Vietnam

**Senior Software Developer | May
2011 – Jul 2015**

- ◆ Played a key role in developing and delivering advanced desktop (WPF/.NET), web (HTML5/CSS/jQuery), and mobile solutions for clients, collaborating closely with partner company CSS Vietnam.
- ◆ Contributed significantly to the ChartLogic Healthcare EMR system, implementing core features and integrating third-party tools like Dragon Naturally Speaking (DNS) and TxTextControl.

- ◆ Developed the GoComics application for Windows Phone 7/7.5, consuming REST/JSON web services.
- ◆ Created the WestRock CodeGen tool using WPF and MVVM for automated code generation from data sources.
- ◆ Developed the Order Optimizer clinical content management application using Silverlight (MVVM), WCF, and Entity Framework.
- ◆ Built components for the Physician Orders Management web application using ASP.NET, SignalR, and WebAPI.
- ◆ **Technologies:** C#, C++, .NET Framework, WPF (MVVM, Prism), WinForms, Silverlight, WCF, WebAPI, ASP.NET, SignalR, Entity Framework, LINQ, MS SQL Server, MongoDB, HTML5, CSS, JavaScript, jQuery, Telerik Controls, Infragistics, Windows Phone SDK, Ionic, Cordova, Xamarin.

EDUCATION

Hoa Sen University | Ho Chi Minh City, Vietnam

BSc in IT Software Engineering (GPA: 3.2) | Jan 2007 – Dec 2011

CERTIFICATIONS

- ◆ PMI Project Management Professional (PMP) | Aug 2022
- ◆ **Agile Fundamentals:** Including Scrum & Kanban (Udemy) | Jan 2023
- ◆ Software Architecture & System Design (Udemy) | Jun 2022