

TIN NGUYEN

Fairfield, Iowa 52557 • +1-641-819-2312 • nguyenhoangtin291@gmail.com
<https://www.linkedin.com/in/nguyenhoangtin> • <https://github.com/venturousman>

SENIOR FULL STACK DEVELOPER

A highly skilled Fullstack .NET Developer with over 10 years of experience in designing, developing, and maintaining robust web applications. Proficient in .NET, C#, and React, with expertise in building scalable solutions, implementing RESTful APIs, optimizing databases, and deploying applications on Microsoft Azure. Strong understanding of Agile and DevOps practices, with a proven ability to collaborate with cross-functional teams to deliver high-quality projects on time. Passionate about continuous learning and leveraging modern technologies to solve complex business challenges and drive innovation.

- SOLID Principles • Data Structures and Algorithms • Database Management • Web Development • User Interface
- Strategic & Critical Thinking • Test-Driven Development • CI/CD • Performance Optimization

Languages: C#, JavaScript, TypeScript

Web: HTML, CSS, SASS, JSON, React, Bootstrap, MUI, AJAX, jQuery, SignalR

Web Services: REST API, SOAP, API Gateways, JWT, CORS

Web/App Servers: IIS

Frameworks: .Net Core, .Net Framework, ASP.NET

Databases: MSSQL, MySQL, CosmosDB, MongoDB

SDLC: Agile, Scrum, Kanban, Waterfall

Tools: Microsoft Visual Studio, Microsoft Visual Code, SQL Server Management Studio (SSMS), Postman, Docker, JIRA, GitHub, RabbitMQ, Kafka

Platforms: Windows, Ubuntu, Azure, AWS

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

MEETING MAKER VIETNAM DEVELOPMENT LLC, Ho Chi Minh, Viet Nam • 03/2021 – 07/2024

A Sweden-based startup that provides a secure digital platform for businesses to collaborate, share resources, and foster relationships from initial contact to closing deals.

Senior Full Stack Developer

- Created a CMS for virtual salesrooms with customizable components using .NET Core, MSSQL, SignalR, and React, enhancing engagement by 40% and driving sales.
- Built a template-based replication feature for salesrooms using .NET Core, MSSQL, SignalR, and React, reducing manual updates by 60% and minimizing errors for greater efficiency.
- Built a meeting reminder feature with Azure Service Bus, .NET Core, React and Notistack, ensuring precise scheduling and reducing missed meetings by 95%.
- Built a secure multi-file upload feature with .NET Core, React DnD, and Azure Blob Storage, reducing failed uploads by 35%.
- Developed feature to bulk download files and folders from Azure Storage, OneDrive, and Google Drive into a ZIP file using the SharpZipLib library, reducing download time by 50% and file size by up to 30%.
- Implemented a TIFF file viewer and thumbnail generator using Node.js Express, React and UTIF.js, enabling efficient rendering and previewing of TIFF images.
- Migrated projects from .NET 7 to .NET 8, Material UI from 4 to 5, ensuring compatibility, improved performance, and access to the latest framework features.

Technologies Used: EF, Dapper, FluentMigrator, Material UI, MSSQL, SASS, Coravel, MediatR, Azure (Web Storage, Service Bus, Cosmos DB), FluentValidation, SendGrid, xUnit/Nunit, TypeScript, Mediator, CQRS, Figma, Favro, Kanban.

3P LEARNING, Ho Chi Minh, Viet Nam • 09/2020 – 03/2021

A global leader in online education for school-aged students.

Senior Software Engineer

- Resolved SignalR issues in React and .NET Core, ensuring seamless real-time interactions in online games and classrooms, reducing disruptions by 95%.
- Developed a .NET Core SignalR load-testing tool simulating 1M+ users, identifying bottlenecks and improving server performance by 30%.

- Migrated projects from .NET Framework 4.8 to .NET Core 3.1 and .NET Standard 2.0, cutting server response times by 40%, reducing deployment costs by 25%, and enhancing system maintainability.
- Developed and maintained microservices using a Test-Driven Development (TDD) approach, implementing unit and integration tests with xUnit and Moq, resulting in a 70% reduction in defects and improved system reliability.
- Contributed to testing by designing 50+ API test cases in Postman, ensuring functionality and reliability while reducing workload by 30% and accelerating development.

Technologies Used: *Ninject, Redis, Memcached, MySQL, Swagger, TeamCity, Octopus, AutoRest, Postman, JIRA.*

FPT SOFTWARE, Ho Chi Minh, Viet Nam • 07/2019 – 07/2020

A Vietnam-based global IT services provider driving digital transformation across diverse industries worldwide.

Senior Software Engineer

- Developed an Outlook add-in with Angular 8, TypeScript, Office.js, and Microsoft Graph API, enabling seamless meeting management and reducing scheduling time by 40%.
- Cleaned and transformed airline data in Palantir Foundry Skywise using Python and PySpark, improving data accuracy and efficiency by 80% for better operational insights.
- Integrated Power BI reports into SurroundView using C#, Angular.js, Azure, enhancing data visualization. Solved a key Power BI limitation by enabling access to encrypted Azure SQL data, improving security and analytics.

Technologies Used: *Node.js, SASS, .NET Web API, Always Encrypted, Power BI Embedded, EF.*

KMS TECHNOLOGY, Ho Chi Minh, Viet Nam • 03/2018 – 07/2019

A global market leader in software development, testing services, and top-tier technology consulting.

Senior Software Engineer

- Developed microservices for restaurant management using Node.js, MongoDB, Redis, and AWS, ensuring 80% test coverage with Jest and Mocha. Improved reliability by 30% and reduced defects by 40%.
- Optimized business algorithms in Node.js, WebStorm, eliminating 80% of recursive calls, cutting processing time by 50%, and enhancing scalability while maintaining accuracy.
- Authored technical documentation, reducing developer onboarding time by 30%, and improved code quality through rigorous reviews, cutting post-release defects by 40%.
- Presented sprint features to the Product Owner, achieving a 95% acceptance rate by aligning work with project goals and stakeholder expectations.

Technologies Used: *React, Redux, ES6, SASS, Joi, Sinon, Graylog, SonarQube, AWS (S3, SQS, SNS).*

ROBERT BOSCH ENGINEERING & BUSINESS SOLUTIONS (RBVH), Ho Chi Minh, Viet Nam • 04/2015 – 03/2018

A subsidiary of Robert Bosch GmbH was established in 2010.

Specialist

- Developed and maintained workflows, reports, stored procedures in COMFORT, a compliance tracking system using ASP.NET MVC and Azure, reducing compliance deviations by 40% and manual efforts by 50%.
- Built Conversations That Matter (CTM), an interactive performance review platform, enhancing employee engagement by 60% through real-time feedback and peer recognition.
- Developed Space Management (SpaceM), a workplace allocation system with drag-and-drop UI, improving space efficiency by 50% and earning official adoption.

Technologies Used: *MSSQL, Azure (WebJobs, Blob Storage...), HTML5, CSS3, Bootstrap, Knockout.js, Underscore.js, HighCharts, jQueryUI, Autofac, AutoMapper, Log4net, iTextsharp, OpenXML, EF6, Repository, Unit of Work, TFS.*

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 04/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Algorithms, Web Application Architecture, Enterprise Applications, Modern Web Applications*

Master of Engineering in Computer Science

Ho Chi Minh University of Technology, Ho Chi Minh, Viet Nam (04/2022)

Bachelor in Information Technology

Ho Chi Minh University of Foreign Language and Information Technology, Ho Chi Minh, Viet Nam (10/2012)