DUC NGUYEN

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FULL STACK .NET DEVELOPER

Experienced Senior Software Engineer with over 10 years of expertise in designing, developing, testing, and maintaining robust and scalable software solutions. Skilled in modern technologies including C#, ASP.NET, .NET Framework, .NET Core, MSSQL, MongoDB, TypeScript, and Angular. Successfully contributed to impactful projects, including the development of Salar Software, a payroll management system supporting businesses of all sizes in the Netherlands. Adept at full-cycle software development, with a strong focus on innovation, efficiency, and delivering high-quality enterprise solutions.

• Problem Solving • Scalability and Performance • System Design and Architecture • Agile Methodologies
• Requirements Analysis • Object-Oriented Programming (OOP) • UI/UX Best Practices • Debugging and Optimization
• Test-Driven Development (TDD) • Continuous Improvement • Workflow Automation • Code Quality Assurance

Languages: C#, JavaScript, TypeScript
Web: HTML, CSS, Bootstrap, TailwindCSS, React.js, Ajax, jQuery
Web Services: RESTful, SOAP
Web/App Servers: IIS
Frameworks: .NET Core, .NET Framework, Angular
Databases: MSSQL, MongoDB
Design Patterns: Singleton, Factory Method, Builder, Facade, Command
SDLC: Agile
Tools: Visual Studio, Visual Code, LinqPad, Git, GitHub, Postman, SQL Server Profiler
Platforms: Windows Server, Linux, Azure App Service

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).*

IDEALOGIC, Ho Chi Minh, Vietnam • 12/2018 – 08/2024
An IT staffing and software development company dedicated to delivering innovative technology solutions.

Senior Software Engineer
Full Stack .NET Developer.
- Developed scalable enterprise solutions with C#, ASP.NET, .NET Core, Angular, and React, optimizing algorithms to cut response times by 50%.
- Architected system components for critical modules using C#, .NET Core, and MS SQL, ensuring efficiency and reusability, which enhanced scalability to support a 3x increase in user base without performance degradation.
- Developed key web app features with Angular and TailwindCSS, enhancing UX and back-end integration, boosting user satisfaction by 25%.
- Led Agile ceremonies and cross-functional collaboration with JIRA and Azure DevOps, ensuring timely feature delivery and reducing manual effort by 30%.
- Developed APIs and integrated third-party services with .NET Core, REST, and OAuth, ensuring 99.9% uptime through robust architecture and rigorous testing with NUnit and Postman.
- Provided technical mentorship to large development teams, fostering adherence to coding best practices and contributing to the successful adoption of advanced development workflows.

Technologies Used: *C#, .NET Framework, .NET Core, Entity Framework, HTML5, CSS3, Angular.*

DEVINITION LTD, Ho Chi Minh, Vietnam • 12/2015 – 12/2018
A custom software development company offering full-cycle web and mobile development services.

Senior Software Engineer
Full Stack .NET Developer.
- Designed and developed a microservices architecture for BookingMonkey with .NET Core, Docker, and Azure Service Bus, enabling scalability and integration with 50+ car rental partners.

- Integrated international car rental APIs with .NET Core, REST, Swagger, and OAuth, enabling real-time booking updates and boosting customer satisfaction by 25%.
- Built robust back-end services using .NET Core and MS SQL, effectively managing rental data and supporting a 3x increase in user traffic while maintaining optimal performance.
- Developed a dynamic and responsive front-end using ReactJS, providing an intuitive interface that enhanced user engagement and platform adoption rates.
- Leveraged MongoDB for search functionalities, optimizing search queries to reduce response times by 40% while improving the user experience.
- Collaborated with cross-functional teams in an Agile environment, delivering high-quality features on schedule and achieving 99.9% system uptime through extensive testing and fault-tolerant mechanisms.

Technologies Used: *C#, .NET Framework, .NET Core, Entity Framework, HTML5, CSS3, ReactJS.*

EZIT SOLUTIONS, Ho Chi Minh, Vietnam ● 05/2013 – 12/2015
A leading provider of comprehensive IT solutions, specializing in software development, system consulting, and network management services with headquarters in Los Angeles, USA.

Senior Software Engineer
Developed Windows Application.
- Developed a Windows application for Easy Connect (EC) using C# and .NET Framework, streamlining data mapping and reducing integration time by 30%.
- Designed and implemented data mapping for the EC system using C#, .NET Framework, Windows Services, MSSQL, and XSLT, enhancing data transformation and system compatibility.
- Engineered a modular architecture for the EC system using C# and WPF, enhancing maintainability and enabling faster onboarding of new data formats by 25%.
- Integrated EDI and other industry-standard protocols into the EC system, ensuring reliable data exchange between closed systems, which increased process efficiency by 40%.
- Created a robust validation framework for data import/export modules using .NET, reducing mapping errors by 50% and improving overall data integrity.
- Collaborated with cross-functional teams to optimize system performance, achieving a 20% reduction in processing time for large-scale data imports and exports.

Technologies Used: *C#, .NET Framework, Entity Framework, ADO.NET, WPF.*

ACADEMIC PROJECTS

Maharishi International University (2024)
Smart Study Buddy: Smart Study Buddy is a web application designed to help students enhance their learning experience by providing advanced AI-driven tools. Users can upload study materials such as PDFs, Word documents, or text files, which are processed and stored for easy access. The platform offers features like semantic search to quickly find relevant content, AI-generated summaries, automatic flashcard creation, and customizable quizzes. With multi-language support and an interactive dashboard to track learning insights, Smart Study Buddy combines cutting-edge technology with user-friendly design to make studying more efficient and personalized. Utilized NodeJs, MongoDB, Angular.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2027)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Web Applications - Architecture, Modern Web Applications, Algorithms

Bachelor of Science in Informatics
HCMC University of Pedagory, Ho Chi Minh, Vietnam (05/2009)