HOANG TUAN NGUYEN

Kitchener, ON, N2M 3T3 · (519)-897-3658
Email: nguyen.h.tuan0306@gmail.com · LinkedIn: https://www.linkedin.com/in/tuan-h-n ·
Portfolio: https://nguyenledly.github.io/resume

SUMMARY

Accomplished web developer with four years of experience designing, building, and optimizing full-stack applications using cutting-edge technologies such as VueJS, ReactJS, Node.js, C#, .NET, Laravel, AWS, Azure, etc. Proven ability to leverage problem-solving skills and technical expertise to deliver high-quality, innovative solutions. Adept at collaborating cross-functionally and thriving in team environments. Passionate about continuous learning, embracing new challenges to drive efficiency and productivity, and conducting in-depth research to understand problems at their core. Strong communicator with proficiency in English and Vietnamese.

HIGHLIGHTS OF QUALIFICATIONS

- Four years of experience developing full-stack applications with cutting-edge technologies such as VueJS, ReactJS, Node.js, Laravel, .NET Core, AWS, and Azure.
- Proven ability to deliver high-quality, innovative solutions like the award-winning "Most Innovative Municipal Web Application in Vietnam" (2020).
- Collaborative team player, adept at cross-functional projects involving DevOps, GIS, and cross-functional teams.
- Passion for continuous learning, problem-solving, and conducting in-depth research to understand core issues.
- Expertise in implementing robust CI/CD pipelines, automation, and Docker containerization for efficient deployments.
- Experienced in optimizing legacy codebases, refactoring, and implementing performance optimizations.
- Proficient in English and Vietnamese, skilled in customer engagements, requirements gathering, and progress reporting.

TECHNICAL SKILLS

- Expertise in Typescript, VueJS, ReactJS, AngularJS, UI frameworks (Bootstrap, Tailwind, Material UI).
- Expertise in C#, Microsoft Entity, ASP. NET Core, PHP, Node.js, Express, Laravel, Java, Python.
- Familiarize with Android Studio, Kotlin, Flutter, Ionic.
- Experience with MySQL, PostgreSQL, MongoDB, Firestore, GraphQL.
- Experience with AWS, Auzre, DigitalOcean.
- Experience with Docker, Elasticsearch, Nginx, Apache, Git, GitHub, Bitbucket, GitLab, CI/CD.
- Expertise in UnitTest, TDD.
- Experience with MS Office, Adobe Creative Cloud.
- Experience with Agile Methodologies.

EDUCATION

Diploma of Computer Programming, Conestoga College, Waterloo, CA   April 2024
GPA: 3.99
Program highlights
- Developed expertise across a diverse range of programming languages, frameworks, and architectural patterns.
- Got practical experience building complicated websites, apps, and computer programs from scratch.
- Collaborated on team projects to improve abilities in designing, building, testing, and launching software.
- Took part in research projects to learn about new technologies and creative solutions.

Bachelor of Information Technology, Ho Chi Minh University of Foreign Language   October 2019
and Information Technology, Ho Chi Minh City, VN
GPA: 3.30

<u>Program highlights</u>
- Focused on Cyber Security, learning valuable skills in network security, threat detection, and digital investigations.
- Took courses covering computer science fundamentals, information systems, data management, and IT project planning.
- Engaged on real-world projects and internships to apply programming skills, preparing for an IT career.

PROFESSIONAL EXPERIENCE

Technology Specialist, Developer at Equitable Life Canada, Ontario, CA   **September 2024 – Now**
- Engineered responsive financial transaction interfaces utilizing ReactJS and MUI framework, achieving 99.8% uptime and reducing traditional transaction processing time by 40%, while implementing comprehensive unit testing that decreased post-deployment bugs by 75%.
- Architected high-performance RESTful APIs with ASP.NET framework that processed over 1000 daily transactions, integrating seamlessly with some external services like banking and authentication systems with 99.9% reliability.
- Streamlined cross-departmental workflows by optimizing development environments and standardizing practices across 10 interconnected service repositories, reducing new team member onboarding time by 60% and increasing team productivity by 25%.
- Implemented enterprise-grade CI/CD pipelines using Git and Azure DevOps that decreased deployment time by 40%, enabling monthly releases while maintaining code quality through automated testing and SNYK security scanning that identified and remediated 95% of vulnerabilities pre-deployment.
- Led end-to-end software development lifecycle within an agile cross-functional team, achieving zero unplanned downtime during production releases and resolving critical incidents with an average response time of under 30 minutes.

Full-stack Developer, Full-stack Developer at CareProvide Canada Inc., Ontario, CA   **July 2024 – September 2024**
- Designed and implemented a robust caregiver management application using Figma and Vue.js framework, resulting in 85% faster shift check-in/out processes and increasing shift pickup rates by 20% through an intuitive user interface.
- Developed comprehensive APIs with Laravel that handled daily requests with 99.5% uptime, seamlessly integrating Google Maps API that reduced caregiver navigation errors by 65% and decreased average travel time to worksites by 20%.
- Containerized development environments with Docker, reducing environment setup time for new developers by 75% and eliminating configuration-related issues that previously accounted for 30% of sprint delays.
- Actively participated in Agile development processes, maintaining 95% on-time delivery of sprint commitments through effective communication with the team leader, contributing to a 28% improvement in overall project delivery timelines.

Conestoga Research Student, Website Communications, Conestoga College, CA   **September 2023 - December 2023**
- Designed interactive prototypes and UI mockups for project with Figma.
- Migrated legacy site content and Implemented a new SharePoint site based on stakeholder requirements.
- Championed student-facing workshops to maximize utilization of WeVideo video editing software and other web productivity tools; improved video creation productivity by 35% within 2 weeks before workshop day.

Web Developer, Web Developer at Vietlink, Ho Chi Minh City, VN   **June 2021 - August 2022**
- Optimized legacy codebase efficiency by 15% through extensive refactoring, modularization and modernization efforts, yielding a 20% boost in server response time alongside reduced operational costs and expanded functionality.
- Leveraged Laravel framework to rapidly build APIs for two new web applications catering to Japanese consumers.

- Collaborated closely with the DevOps team to implement Docker, establishing a comprehensive and consistent development environment across 10 different projects, streamlining the onboarding process and reducing setup time for new team members by 60%.
- Utilized Git-based version control systems, including GitHub and GitLab, to build and maintain a robust CI/CD pipeline, enabling efficient deployment of projects to development and staging environments with over 95% success rate. Automated deployment process reduced manual efforts by 75% and minimized release cycles from weekly to daily.
- Drove full software development lifecycle as part of a cross-functional team, ensuring on-time, high-quality delivery, including completing development, deployment and testing phases with 80% accuracy 4 days early.

Full-stack Developer, Full-stack Developer at VLAB J.S.C, Ho Chi Minh City, VN   **September 2019 - June 2021**
- Acquired expertise in maps and geometry-related technologies, including JavaScript libraries and PostgreSQL databases, within one month.
- Transformed mockups into interactive, user-friendly mapping-focused web applications across six Ho Chi Minh City districts leveraging HTML, JavaScript, AJAX and JSON.
- Facilitated customer engagements via online and in-person meetings to gather and analyze new requirements, directly informing creation and enhancement of website applications; collaborating with a 10-person team.
- Worked closely with the GIS team to verify and organize over millions of geometric data points in the correct WGS 84 format and UTM datum, ensuring precise and accurate spatial representations within the applications with 99.5% data integrity.
- Utilized Git-based version control systems, including GitHub and GitLab, to build and maintain a robust CI/CD code pipeline, automating over 80% of the deployment process. This improved performance by reducing server downtime by 75% and decreased deployment time to development and staging environments from 30 minutes to under 5 minutes.
- Authored integration tests to validate functionality and directly reported progress to team leader on a daily basis.

KEY PROJECTS

Eztransact, Web Application at Equitable Life Canada   **September 2024**
- Built an intuitive financial transaction web app using ReactJS, Redux, and React Hook Form that reduced processing time by 65% and increased advisor productivity by 30%.
- Engineered a secure ASP.NET backend system handling $10M+ monthly transactions with 99.99% accuracy, successfully integrating with external financial services.
- Implemented T-SQL and file-based data solution that streamlined document transfers to OnBase by 40% and integrated OneSpan digital signatures, cutting completion time from 5 days to 2 hours.
- Established Azure DevOps CI/CD pipelines that decreased deployment time by 70%, maintained 100% test coverage, and reduced production defects by 85%.
- Improved code quality through regular reviews, fixing 95% of outdated code in 6 months and boosting system speed by 45% by using newer coding techniques.

English Learning Platform Redesign, Web Application at Vietlink   **April 2022**
- Spearheaded a comprehensive overhaul of user interface design and refactored over 55 functionalities and 40 database tables of an English learning platform tailored for Japanese learners.
- Utilized the Laravel framework to ensure full-featured and robust functionality.
- Implemented extensive optimizations, resulting in a 25% boost in site speed and accelerated load times, enhancing overall user experience.
- Integrated Laravel APIs to enable seamless connectivity and real-time data exchange with 3 partner applications, fostering a robust and scalable ecosystem capable of handling over 1 million API requests per day.
- Leveraged ReactJS and Redux to manage application state and deliver a seamless experience, resulting in a 40% reduction in client-side rendering times and improved user satisfaction scores by 25%.

- Coordinated efforts catalyzed a remarkable 30% surge in platform usage within two months of redesign launch, underscoring transformative impact of comprehensively implemented.

Ocean Learning Application   **January 2022**
- Engineered an educational app about ocean life using interactive videos, images, sliders and animations to engage children in marine biology topics; achieving around 10% community by broadening through faculties and friends.
- Utilized NodeJS to write microservices, facilitating seamless communication and data exchange between the Firebase backend and the ReactJS frontend, resulting in a 25% improvement in overall application performance.
- Architected and developed a responsive website on sustainability issues utilizing ReactJS for UI and Firebase services for data.

Urban Planning Interactive Map, Web Application at VLAB J.S.C   **January 2020**
- Architected and constructed an innovative web application, provided real-time access to urban planning data through interactive map interfaces.
- Ingested and processed geospatial datasets from 7 government agencies, achieving 95% data accuracy mapping to map geometries, enabling seamless integration into intuitive visualization dashboards for comprehensive data exploration.
- Leveraged cutting-edge technologies such as Laravel, VueJS and LeafletJS to build reactive and user-friendly interfaces, incorporating over 20 custom components and getting 95% positive feedback from users.
- Utilized VueJS and Vuex to manage application state and deliver a seamless experience, resulting in a 40% reduction in client-side rendering times and improved user satisfaction scores by 30%.
- Implemented NodeJS with ExpressJS to create robust APIs and handle authentication, ensuring secure access and data protection with industry-standard encryption protocols.
- Spearheaded a project, garnered recognition as "Most Innovative Municipal Web Application in Vietnam" in 2020, showcasing exceptional technical prowess and problem-solving abilities by delivering a cutting-edge application utilized by over 100,000 users across 15 municipalities.

AWARDS AND RECOGNITIONS

- Academic Recognition: Graduation with President's Honour List from Conestoga College in April 2024, achieving a 3.99/4.0 GPA