Richard Nguyen

+61431 952 029 · taynguyen3110@gmail.com · **My Portfolio** · **Github** · **Linkedin**
1 Mortimer, Minto, NSW 2566

CAREER OBJECTIVE

Dedicated and highly motivated Junior Full Stack Developer with hands-on experience in web development using .NET, React, and modern cloud services. Eager to join Avolution's dynamic team to apply my technical expertise, problem-solving skills, and passion for software development in building scalable, high-quality applications. Committed to continuous learning and contributing effectively to team success.

TECHNICAL SKILLS

- Frontend: React.js, Angular, Next.js, HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind CSS.
- Backend: C#, ASP.NET Core, and .NET Framework, Entity Framework Core, MySQL, SQL Server.
- Component-based UI design and state management (Redux, NgRx).
- DevOps & Cloud: AWS services (EC2, S3, RDS, SNS, CloudWatch, Lambda), CI/CD, AWS CDK, Terraform.
- Others: Git/GitHub, Docker, Postman, Visual Studio, VS Code, Figma and Slack.
- Familiar with Agile development practices.

ACADEMIC PROJECTS

School Management - Angular Application   September 2024 - December 2024
Key Technologies: Angular, Angular Material, Node.js, NgRx, Google Charts, Tailwind CSS
Project Features:
- Built a comprehensive Angular application for managing students, teachers, and parents with token-based authentication.
- Integrated Google Charts for data visualization and implemented form change detection.
- Form integrates Google Place API to enhance UX.
- Enhanced performance with code splitting and lazy loading.
- State management with NgRx.

Shop.Co - Fullstack E-commerce Website   May 2024 - September 2024
Key Technologies: React, Tailwind CSS, Firebase Authentication, Firestore, Netlify.
Project Features:
- Developed a responsive and interactive e-commerce platform using React and Tailwind CSS.
- Implemented Firebase services for authentication, real-time database, and cloud storage.
- Built custom reusable components and optimized performance with lazy loading.
- User Authentication: Sign up, log in, and log out with Firebase Authentication.
- Product Listings: Dynamic product list fetched from Firestore.
- Shopping Cart: Users can add, remove products to the cart.
- Set up continuous deployment using Netlify CI/CD pipelines.

Quizzit - Quiz Application   June 2024 - August 2024
Key Technologies: Razor Pages, C#, .NET Core, Entity Framework Core, SQL Server
Project Activities:
- Users can perform CRUD operations on quiz questions stored in a relational database with Entity Framework Core.
- Random questions for every quiz and score calculation.

Xmops - Wordpress Server Deployment Platform   February 2024 - May 2024
Description: Efficient deployment of Wordpress servers that is highly available and scalable on AWS.
Key Technologies: React, Express.js, Terraform, AWS SDK, EC2, S3, RDS, Cloudwatch
Project Activities:
- Implemented secure authentication with AWS Cognito.

- Developed highly scalable and available infrastructure of WordPress servers deployed with Terraform.
- Supported multi-user environments with dedicated workspaces for organizing and monitoring deployments.
- Monitored using AWS CloudWatch metrics to track deployment health and performance.

Web Crawler - Automated Public URL Health Checker   **May 2024 - September 2024**

Description: Crawl a custom list of websites on a periodically to monitor public web urls.

Key Technologies: AWS CDK, Lambda, S3, SNS, CloudWatch, DynamoDB

Project Features:
- Developed a web crawler to periodically monitor public URLs for availability and latency.
- Designed a multi-stage CI/CD pipeline with automated tests and deployment using AWS CodePipeline.
- Implemented email notifications using AWS SNS and stored logs in DynamoDB.

EDUCATION

Master of Information Technology   **February 2023 - Present**

Swinburne University of Technology   Major: Software Development

Learning Outcomes:
- *Creating Web Application (High Distinction)*: Built a MySQL-backed web application.
- *Web Application Development (High Distinction)*: Developed a shipping app for order management.
- *Object-Oriented Programming (High Distinction)*: Created a car park management application.

Bachelor of International Economics   **July 2013 - July 2017**

Foreign Trade University   Major: International Economics

PROFESSIONAL EXPERIENCE

Property Advisor Project   **October 2024 - December 2024**

Front End Developer
- Developed responsive grid layouts to showcase item cards, ensuring optimal user experience across devices.
- Integrated Swipe.js to create responsive, interactive, and user-friendly swipeable components.
- Built a custom FAQ accordion component for navigation and improved content accessibility.

SWAV   **May 2024 - August 2024**

Front End Intern
- Developed and integrated a notification system using the Toastify library, improving real-time feedback.
- Implemented photo upload and preview features with validation using Formik and Yup.
- Enhanced UI responsiveness and user experience across various devices, contributing to higher user engagement.
- Worked closely with the team to identify and resolve UI issues, ensuring a smooth user experience.

Hoang Mai Yen   **2019 - 2022**

Head of Engineering
- Team lead in designing, operating and maintaining swiftlet farms for optimal productivity.
- Oversaw sales of equipment and sourced reliable overseas suppliers to meet company's needs.

CERTIFICATIONS

freeCodeCamp   **February 2024 - June 2024**

Responsive Web Design and Front End Development Libraries
- Fundamental principles of responsive web design.
- Build landing page, documentation page, and personal portfolio webpage.
- Utilize popular libraries such as Bootstrap, jQuery, SASS, React, and Redux to develop simple projects.

References available upon requests.