

Richard Nguyen

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CAREER OBJECTIVE

Motivated Junior Developer with 1+ year of hands-on experience in front-end and full-stack development, specializing in creating responsive, scalable, and maintainable applications using modern technologies like React.js, Angular, and .NET Core. Eager to make value contributions by delivering secure, high-quality solutions for web projects.

PROFESSIONAL EXPERIENCE

Property Advisor Project

September 2024 - December 2024

Front End Developer

Key Technologies: React, Next.js, Tailwind CSS, SEO, Swipe.js, Figma, Trello, GitHub.

- Translated complex Figma designs into responsive, efficient React components.
- Integrated Swipe.js to create responsive, interactive, and user-friendly components.
- Integrated SEO best practices to enhance site visibility.

SWAV

May 2024 - August 2024

Front End Intern

Key Technologies: React.js, Tailwind CSS, Formik, Yup, Docker, GitHub

- Developed and integrated a notification system using the Toastify library, improving user interaction.
- Designed and implemented a photo upload feature with validation for enhanced user experience.
- Optimized front-end performance, ensuring a responsive and seamless interface across devices.
- Collaborated with cross-functional teams to identify and resolve UI/UX challenges.

Hoang Mai Yen - Head of Engineering

2019 - 2022

- Team lead in designing, operating and maintaining swiftlet farms for optimal productivity.
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TECHNICAL SKILLS

- Frontend: React.js, Angular, Next.js, TypeScript, JavaScript, HTML5, CSS3, SCSS, Tailwind CSS, SEO.
 - Backend: Node.js, Express.js, C#, .NET Core, Entity Framework Core.
 - Databases: MySQL, DynamoDB, Firebase.
 - Testing: Test-Driven Development (TDD), Jest, Postman.
 - Version Control: Git, GitHub, CI/CD Pipelines (Netlify, AWS CodePipeline, Github Actions).
 - Cloud Platforms: AWS (EC2, S3, DynamoDB, Lambda), Firebase (Firestore, Storage, Authentication).
 - DevOps & Infrastructure: AWS CDK, Terraform, Docker.
 - Design & Collaboration: Figma, Trello, Slack.
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ACADEMIC PROJECTS

School Management - Angular Application · [Project Link](#)

September 2024 - December 2024

Key Technologies: Angular, Typescript, Angular Material, Node.js, NgRx, Google Charts, Tailwind CSS

Project Features:

- Built a platform 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.
- Built robust error-handling mechanisms to manage unexpected outputs and backend errors.

Shop.Co - Fullstack E-commerce Website · [Live Demo](#)

May 2024 - September 2024

Key Technologies: React, Typescript, Tailwind CSS, Firebase Authentication, Firestore, Netlify, CI/CD.

Project Features:

- Convert from Figma 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 · [Project Link](#)

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 · [Project Link](#)

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, Bash, S3, RDS, Cloudwatch, Slack

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 · [Project Link](#)

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, Slack, CI/CD.

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 alerts using AWS SNS and stored logs in DynamoDB.

EDUCATION

Master of Information Technology

February 2023 - September 2024

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 fullstack 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

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.