Richard Nguyen

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My Portfolio Video

PROFILE

Software Engineer with a strong background in full-stack web development, specializing in React, Angular, TypeScript and AWS services. Passionate about building high-performance, user-centric applications while adhering to best practices in web usability and scalable architecture. Experienced in CI/CD pipelines, cloud infrastructure, and DevOps practices, enabling seamless deployment and maintenance of web applications.

EXPERIENCE

Front End Developer | Property Advisor Project   **September 2024 - December 2024**

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

· Translated Figma designs into responsive, efficient React components.
· Integrated React libraries to create responsive, interactive, and user-friendly components.
· Implemented SEO best practices to enhance site visibility.
· Worked with cross-functional teams with Agile methodology.

Front End Intern | SWAV   **May 2024 – August 2024**

Key Technologies: React.js, Docker, GitHub, Formik, Yup, Toastify.

· Implemented and integrated a notification system into a SaaS platform.
· Optimized front-end performance, ensuring a responsive and seamless interface across devices.
· Collaborated with cross-functional teams to identify and resolve UI/UX challenges.

Lead Engineer | Hong Phu Yen   **January 2019 – December 2022**

· Designed, operated and maintained production facilities for optimal operation.

TECHNICAL SKILLS

· Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Material UI
· Backend: C#, ASP.NET, Node.js, Express.js
· IDE: Cursor, VS Code, Visual Studio
· Cloud & DevOps: AWS (Lambda, CloudFormation, SNS, S3), CI/CD (GitHub Actions, AWS CodePipeline)
· Testing & Debugging: Postman
· API Development: RESTful APIs, JWT Authentication

ACADEMIC PROJECTS

School Management – Angular Application | Live Demo   **September 2024 - December 2024**

Key Technologies: Angular, Typescript, Node.js, MongoDB, RxJs, TailwindCSS, NgRx, Google Charts, Google Places.

· Token-based authentication with interceptor.
· Integrated Google Charts for data visualization, implemented form change detection.
· Integrated Google Places API to enhance UX.
· Improve performance with debounce to limit API call frequency
· State management with NgRx.

- Enhanced performance with code splitting and lazy loading.
- 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, React Router, Vite, Typescript, Tailwind CSS, Firebase, Netlify, CI/CD.
- Leveraged Firebase as database and authentication solutions.
- AI assistant using fine-tuned Openai model with products data.
- Translated Figma designs to responsive and interactive UI with mobile-first approach.
- Third party libraries (Downshift for autocomplete, Framer Motion for smooth transitions, etc.).
- Continuous deployment using Netlify CI/CD pipelines to support development process.

Xmops – Wordpress Deployment Platform | Project Link   February 2024 – May 2024
Key Technologies: React, Express.js, Terraform, AWS SDK, EC2, Bash, S3, RDS, Cloudwatch, Slack.
- Secure authentication with AWS Cognito.
- Automate the deployment of highly scalable and available infrastructure of WordPress servers from hours to just minutes.
- Supported multi-user environments with Terraform state management.
- Monitoring UI using AWS CloudWatch metrics to track deployment health and performance.

Web Crawler – Public URL Monitoring | Project Link   May 2024 – September 2024
Key Technologies: AWS CDK, Lambda, S3, SNS, CloudWatch, DynamoDB, Slack, CodePipeline.
- Periodically monitor public URLs for availability and latency.
- Multi-stage CI/CD pipeline with automated tests and deployment using AWS CodePipeline.
- Email alerts using AWS SNS with messages logged in DynamoDB.

Quizzit – Quiz Application | Project Link   June 2024 - August 2024
Key Technologies: Razor Pages, C#, .NET Core, Entity Framework Core, SQL Server.
- CRUD operations on quiz questions, leveraging Entity Framework Core for robust database interaction.
- Random questions for every quiz and score calculation.

EDUCATION

Master of Information Technology   February 2023 – September 2024
Swinburne University of Technology   GPA: 3.44   Major: Software Development

Bachelor of International Business   July 2013 – July 2017
Foreign Trade University   Major: Business

CERTIFICATIONS

Responsive Web Design and Front End Development Libraries - freeCodeCamp   June 2024
Pearson Test of English (PTE) Academic – Overall Score: 90   November 2023

REFERENCE

Available upon requests.