Richard Nguyen

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CAREER OBJECTIVE

Junior Full Stack Developer with 1 year of expertise in React.js, Node.js, and AWS. Skilled in building responsive, accessible, and user-focused web interfaces. I am eager to contribute to web projects by enhancing user engagement and delivering impactful web solutions, with a strong focus on performance optimization and customer-centric solutions.

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

SWAV   May 2024 - August 2024
Front End Intern
Key Technologies: React.js, Formik, Yup, Docker, GitHub
- Developed and integrated a notification system using the Toastify library.
- Designed and implemented a photo upload feature with input validations.
- 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
- Designed, operated and maintained swiftlet facilities for optimal operation.

TECHNICAL SKILLS

- Frontend: React.js, Next.js, Angular, Material UI, TypeScript, HTML5, CSS3, SCSS, Tailwind CSS.
- Backend: Node.js, Express.js, .NET Core.
- Databases: MySQL, Firebase.
- Testing: Jest, Postman.
- Version Control: Git, GitHub, CI/CD Pipelines (Netlify, AWS CodePipeline, Github Actions).
- Cloud Platforms: AWS (EC2, S3, SNS, Cloudwatch, Lambda), Firebase.
- DevOps & Infrastructure: AWS CDK, Terraform, Docker.
- Design & Collaboration: Figma, Trello, Slack, Agile methodology.

ACADEMIC PROJECTS

School Management - Angular Application · **Project Link**   September 2024 - December 2024
Key Technologies: Angular, Typescript, Angular Material, TailwindCSS, NgRx, Google Charts, Google Places.
Project Features:
- Token-based authentication.
- Integrated Google Charts for data visualization, implemented form change detection.
- Integrated Google Places API to enhance UX.
- Enhanced performance with code splitting and lazy loading.
- State management with NgRx.
- 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, Netlify, CI/CD.

Project Features:
- Translated from Figma to a responsive and interactive UI.
- Third party libraries (Downshift for autocomplete, Framer Motion for smooth transitions, etc.).
- Mobile-first development of custom built reusable components.
- 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, managed on local storage and database.
- 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:
- CRUD operations on quiz questions, leveraging Entity Framework Core for robust database interaction.
- 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:
- Secure authentication with AWS Cognito.
- Highly scalable and available infrastructure of WordPress servers deployed with Terraform.
- Supported multi-user environments with dedicated workspaces for organizing and monitoring deployments.
- Monitoring UI 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, CodePipeline.

Project Features:
- 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.

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.