Nguyen Hong Tay

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CAREER OBJECTIVE

Dedicated and highly motivated Fullstack Developer with a Master's degree in Information Technology. Skilled in developing interactive and user-friendly websites, with proficiency in front-end technologies such as React, Angular. Passionate about staying updated with the latest web development trends and continuously enhancing skills to deliver optimal solutions. I am seeking a challenging role as a Fullstack Developer, where I can apply my dedication, creativity, and technical expertise to contribute to innovative projects and advance my profession in web development.

TECHNICAL SKILLS

- Web Development Basics: HTML, CSS, JavaScript, OOP principals, CI/CD pipelines, Git, Github.
- JavaScript Frameworks/Libraries: React.js, Next.js, Angular.
- CSS Frameworks & Preprocessors: Tailwind CSS, SCSS.
- Performance Optimization: Code splitting, Lazy loading.
- Others: AWS, Terraform, EC2, RDS, Docker, Postman.

ACADEMIC PROJECTS

School Management - A Fullstack Angular Project   September 2024 - December 2024

Description: A comprehensive School Management App built with Angular framework. It provides an interface for managing students, teachers, parents, and more. The dashboard also includes various charts.

Tools used: Angular, Tailwind CSS, Node.js, NgRx

Project Features:

- Responsive and user-friendly design.
- Custom builts components.
- Token-based authentication for secure user access and session management with Angular interceptor.
- Optimized application performance with code splitting and lazy loading.
- Google Charts for visualizing data.
- Form integrates Google Place API.
- Form change detection, stop navigation away when there are unsaved changes.
- Angular Material components (date picker, dialog, etc.).
- State management with NgRx.

Shop.Co - A Fullstack E-commerce website using React   May 2024 - September 2024

Description: The project uses Tailwind CSS for styling and Firebase services for backend functionality such as authentication, database management, and storage.

Tools used: React, Tailwind CSS, Firebase Authentication, Firebase Storage, Firestore

Project Features:

- Responsive and user-friendly design.
- Modern UI that follow a Figma community design.
- Custom built 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.
- Hosted on Netlify with CI/CD pipeline.

Xmops - Automated tool to deploy Wordpress Server on AWS   February 2024 - May 2024

Description: Efficient deployment of Wordpress servers that is highly available and scalable.

Tools used: React, Express.js, Terraform, AWS SDK, EC2, S3, RDS, Cloudwatch

Project Activities:
- Secure authentication with AWS Cognito.
- Highly scalable and available infrastructure of WordPress servers deployed with Terraform.
- Supports multi-user environments with dedicated workspaces for organizing, monitoring deployments.
- Monitorring using AWS CloudWatch metrics to track deployment health and performance.

Web Crawler - Automated tool to crawl and check public URL's health   **May 2024 - September 2024**

Description: Crawl a custom list of websites on a periodically to monitor public web urls, along with a multi-stage CI/CD pipeline that automates the deployment process across stages, including necessary tests.

Tools used: AWS CDK, AWS SDK, AWS CodePipeline, AWS CloudWatch, S3

Project Features:
- The app crawls a list of public urls and measures availability and latency periodically.
- Email notification when metrics reach thresholds with AWS SNS, alarm logs are stored inside DynamoDB.
- CI/CD pipeline using AWS CodePipline.

EDUCATION

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

Swinburne University of Technology   Major: Software Development

Learning Outcomes:
- *Creating Web Application (High Distinction)*: Built a landing page that interact with a MySQL database.
- *Web Application Development (High Distinction)*: Built a Shipping app that manges orders.
- *Object-Oriented Programming (High Distinction)*: Built a Car Park application for managing cars parking.

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

Foreign Trade University   Major: International Economics

WORK EXPERIENCE

Property Advisor Project - A Next.js project   **October 2024 - December 2024**

Front End Developer
- 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.
- Developed a custom FAQ accordion component for navigation and improved content accessibility.

SWAV   **May 2024 - August 2024**

Front End Intern
- Developed and integrated notification system using Toastify library, enhancing user experience with real-time feedback and notification.
- Implemented photo upload and preview features with data validation for forms with Formik and Yup.
- UI and responsive enhancements, optimizing user interfaces across various devices.

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.