VIET H TRAN

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Personal Website: **www.viethungtranwebdev.com**

WEB DEVELOPER AND INTEGRATION ENGINEER

FRONT END WED DEVELOPER | REACT-JS DEVELOPER | AEROSPACE ENGINEERING | LEADERSHIP

Highly motivated, knowledgeable and skilled Web Developer in creating visually appealing, user-friendly and responsive websites and web applications. Proficient in HTML, CSS, JavaScript, Python, Bootstrap, and ReactJS/Redux with a solid understanding of web design principles, cross-browser compatibility and accessibility standards. A quick learner and team player with excellent problem-solving and communication skills.

Highly skilled Integration Engineer eager to leverage valuable experience and expertise in Aerospace research and development, Medical devices manufacturing, avionics/electronic troubleshooting and repair. Excels with laboratory operations, problem diagnosis/resolution, documentation, and organizational collaboration across multiple project phases including design, build and test.

CORE COMPETENCIES

- Proficient in HTML, CSS, JavaScript, Python and ReactJS/Redux.
- Strong understanding of responsive design, cross-browser compatibility and accessibility standards
- Knowledge of web design principles and experience with creating wireframes, prototypes, and high-fidelity mockups
- Good understanding of front-end optimization techniques for improving page load speed.
- Familiarity with CSS pre-processors like Sass and LESS
- Experience with CSS frameworks like Bootstrap and Material UI
- Familiarity with version control systems like Git
- Experience working with REST APIs and integrating with back-end systems
- Familiarity with Docker CLI, Docker Compose, Docker Swarm, and Kubernetes.
- Familiarity with AWS, Google cloud, Microsoft Azure.
- Ability to perform code reviews and ensure adherence to coding standards
- Excellent problem-solving and communication skills

PROJECT PORTFOLIO

Personal Page (React, JavaScript, HTML, CSS): https://viethungtranwebdev.com/Home

- Designed and developed a personal website to showcase my skills as a web developer.
- Built using ReactJS, Redux/Redux Toolkit, HTML, CSS, Sass, Material UI.
- Integrated various libraries such as React Router for navigation and Redux for state management.
- Implemented responsive design and cross-browser compatibility.
- Added animations and transitions for a visually engaging user experience.
- Demonstrated proficiency in ReactJS, HTML, and CSS while showcasing strong UI design principles and attention to detail.

Crypto Tracker App (React, Redux, JavaScript, HTML, CSS):

- Developed a single-page application using React and styled with HTML and CSS.
- Implemented real-time data fetching of cryptocurrency prices using an API.
- Designed and developed the user interface for displaying real-time data in a clean and organized manner.

To Do List App (React, Redux, JavaScript, HTML, CSS):

- Developed a front-end to-do application using React and Redux, showcasing expertise in modern front-end web development.
- Built using React, Redux/Redux Toolkit, and Sass.
- Implemented features for task adding, task searching, and filtering, leveraging Redux for efficient state management.
- Created a responsive user interface using React components, enhancing the user experience.

Password Validation (React, JavaScript, HTML, CSS, Regex):

- Developed a password validation application using React, JavaScript, HTML, and CSS.
- Implemented Regex patterns to enforce strong and secure password criteria.
- Designed a user-friendly interface with error handling.
- Deployed the application to a hosting platform for easy access and demonstration.

Emoji Generator (React, JavaScript, HTML, CSS):

- Developed an emoji generator application using React.
- Implemented functionality to prompt users to enter a number.
- Displayed the corresponding number of smiley faces on the screen.
- Designed a user-friendly interface for an enjoyable user experience.

Weather App (React, JavaScript, HTML, CSS):

- Developed a weather application using React, API, JavaScript, HTML, and CSS.
- Integrated weather API to fetch real-time weather data.
- Designed and developed a user interface to display weather information in a visually appealing manner.

Text Separator App (React, Material-UI, CSS):

- Developed a text separator application using React and Material-UI.
- Implemented functionality to separate user-inputted text into strings, numbers, and special characters.
- Displayed the separated categories of the input text in a visually appealing manner.
- Designed a responsive and user-friendly interface using Material-UI components.
- Highlighted the extracted strings, numbers, and special characters for improved readability.
- Demonstrated proficiency in React development, text manipulation, and responsive design.

CAREER PROGRESSION

Ultrasound AOP Lab Lead & Engineering Specialist, **Siemens Medical Solution Inc,** Issaquah, WA | Sep 2021 – Present

Lead role managing and supervising all operations of the AOP lab, while performing and maintaining calibrations of laboratory equipment. Works closely with ultrasound engineers to conduct various ultrasound acoustic power measurements.

<u>Accomplishments</u>:

- Successfully met challenge of additional work assigned due to staff shortage when new products were introduced; met with other team members to divide the work load efficiently, resulting in excellent feedback from customers and all stakeholders.
- Led stand troubleshooting to determine cause of testing failures due to inconsistent measurements; discovered unrepairable issues and quickly procured a test stand to deliver project on within the deadline.
- Works closely with engineers on an ongoing basis to review measurement results, while providing feedback for improvements and monitoring the overall safety of the lab.
- Maintains a highly effective inventory of assets, ultrasound system, testers and all lab equipment.

R & D Integration Engineer, **Blue Origin LLC,** Kent, WA | Dec 2018 - Sep 2021

Lead role ensuring and maintaining integration and testing, functional verification, and troubleshooting of propulsion systems and components. Performed multiple material tests on propulsion system team as per requests and per instructions provided by R and D engineers.

Accomplishments:

- Delivered multiple projects accomplished at the same time by successfully prioritized essential tasks and met all deadlines, while escalating support from team members.
- Facilitated building of a new test stand to keep current with massive testing assignments; prioritized deadlines, saving $50k by not sending testing samples to vendors.
- Worked successfully with R&D engineers to develop test plans meeting material testing goals.
- Collaborated with design, analysis, manufacturing, safety, and DevOps engineers to implement requirements.
- Worked safely with hazardous systems containing chemicals, heat, high pressure, and stored energy.
- Designed and implemented innovations to improve processes and increase efficiency of operations.

Aircraft Test Tech A, The Boeing Company, Renton, WA | April 2018 – Dec 2018

Expertly performed and ensured testing, troubleshooting and repairing of all mechanical and electrical systems on aircraft prior to flight tests. Revitalized multiple systems, executing a range of functional tests as per drawings, test documents, nonconformance reports and other documents to verify integrity of the systems.

Accomplishments:

- Led testing, utilizing multiple computer systems, oscilloscopes, power supplies and meters, and other equipment.
- Supported aircraft technicians in sequencing of work operation, troubleshooting and problem analysis/resolution.
- Utilized engineering drawings, test documents, and additional paperwork and on-line systems.

Federal Aviation Administration (FAA) Avionics Specialist, Honeywell, Renton, WA | Sep 2015 – April 2018

Attained certification as a lead technician and quality inspector for avionic devices, while troubleshooting, inspecting, repairing, overhauling, testing, modifying, and maintaining the Radar Transceiver.

Accomplishments:

- Worked expertly from engineering drawings and schematics, customer documentation, manuals and verbal instruction.
- Operated and maintained test stations, PCs and test related equipment, including ATE, DVM, Scopes, Signal generators and frequency counter, etc. Conducted functional tests and reports data in prescribed format.
- Applied and utilized 5S, Lean and Honeywell 8 Behaviors, while supporting continuous improvements (CIs) for entire team.

Medical Device Manufacturing Technician, Physio-Control, Redmond, WA | Sep 2014 – April 2015

Gained valuable experience assembling, testing, troubleshooting and repairing medical devices while ensuring and maintaining adherence to critical, high quality standards.

Accomplishments:

- Professionally operated and maintained a variety of test equipment, including DMM, power supplier, oscilloscopes, automated testing equipment, handheld tools and bench machinery for product assembly and testing.
- Successfully documented activities, coordinated data entry, and carefully maintained organization and process.

EDUCATION AND CERTIFICATIONS

Front End Web and Mobile Development (Front-End Web UI Framework, Bootstrap, Front End JavaScript Library with React, Multiplatform Mobile App Development with React Native), Nucamp Bootcamp, Seattle, Washington |2022

Backend, SQL, and DevOps with Python (Python Fundamentals, Data Structures, and Algorithms, SQL and Python, Modern Software Engineering with DevOps), Nucamp Bootcamp, Seattle, Washington |2022

Certified React Developer with fundamental knowledge of web development using the React Framework, w3schools.com |2023

Bachelor of Science in Engineering, University of Washington, Seattle, Washington | 2015

Associate of Science in Engineering, Bellevue College, Bellevue, Washington | 2011

RELEVANT TECHNICAL SKILLS AND CERTIFICATES

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- ✓ LinkedIn Learning Certificates: Learning Docker, Advanced Python, Python Data Structures and Algorithms, Python Object-Oriented Programming, Python: Working with Predictive Analytics, Functional Programming with Python, Test Automation with Python: 3 Testing Web and Mobile, Building Tools with Python, Web Scraping with Python, Learning the Python 3 Standard Library, Programming Foundations: Algorithms, Vanilla JavaScript: Building on the Document Object Model (DOM), Learning the JavaScript Language, Working with Databases, MySQL Essential Training, MySQL Tips and Tricks.
- ✓ Coursera certificate: Crash Course On Python.
- ✓ Stack-Skills certificate: Python Basics and Advance Function
- ✓ VS Code, C, Java, SharePoint; MacOS; Network Administration; Windows Server; Microsoft Office Suite.
- ✓ Relevant math; physics, chemistry and engineering design & disciplines.