Dang Vo

Software Engineer

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Professional Profile

Software Engineer with 4+ years of experience in designing, developing, and maintaining responsive web applications. Specialized in JavaScript and .NET, with expertise in front-end technologies and cross-platform compatibility. Focused on delivering scalable applications with a product-driven mindset aimed at solving real-world problems. Proven experience in collaborating with cross-functional teams to create seamless and innovative web applications that delight users.

Primary stack: JavaScript, TypeScript, Angular, React, SQL (PostgreSQL), C#, .NET

Work History

08/2024 – present

Freelance Frontend Developer

Tech stack: HTML, CSS, JavaScript, React, Angular, WPF, C#

- Delivered custom web applications for clients in Vietnam, using React and Angular to build responsive and high-performance UIs that met the business needs.
- Collaborated with clients to gather requirements and propose technical solutions.
- Provided technical support, troubleshooting, and bug fixes to enhance application stability and user satisfaction.

07/2023 – present

Research Assistant (Part-time / Volunteer)

Technische Universität Chemnitz – Chemnitz, Germany
Tech stack: JavaScript, Angular, C#, C++, Three.js

- Presented and published a paper at IEEE ICCIMS 2024 on low-code technology and block-based coding for educational applications.
- Developed a block-based educational application using a modularization approach, ensuring future adaptability to new hardware devices.
- Enhanced academic research outcomes by collaborating with cross-functional teams to implement innovative software solutions.

01/2020 – 10/2023

Software Engineer

DiRoots Limited – London, United Kingdom
A premier software development company in the Architecture, Engineering, and Construction industry.
Tech stack: TypeScript, Angular, React, C#, .NET, D3.js, Three.js

- Reduced user task times by over 30% in HydroTechnic's web-based hydraulic tool through optimized siphonic roof drainage calculations.
- Led cross-platform development of multiple applications in C#, ASP.NET Core, WPF, and Angular, contributing to thousands of downloads and positive feedback.
- Streamlined deployment processes for 90+ applications, reducing delivery time by 75% through auto-updates, trials, and licensing features.
- Improved application reliability and user satisfaction by resolving installation and usage issues through collaboration with Support and QA teams.

12/2017 – 01/2020

.NET Developer

DiRoots Limited – London, United Kingdom
Tech stack: C#, .NET, WPF

- Achieved 1000+ downloads and positive feedback for SheetLink, a Revit tool for data import/export.
- Reduced insertion time of components into Revit models to under 1 minute by using lazy loading and caching for 1200+ family files in EFAPEL tool.

05/2016 – 09/2016

Frontend Web Developer Intern

Eye Solutions Co.,Ltd – Ho Chi Minh City, Vietnam
Outsourcing company focus on custom web solutions development.
Tech stack: HTML, CSS, JavaScript

- Developed and optimized front-end web solutions with HTML5, CSS3, JavaScript, ensuring consistency in collaboration with design team.

Education

10/2020 – 06/2024

Master of Science in Automotive Software Engineering

Technische Universität Chemnitz
Chemnitz, Germany
(GPA: 1.5, Very good)

- Thesis title: “Remote Interface for Heterogeneous Demonstrators with Dynamic Functions.”
- Reduced task completion time by 67% and improved student learning in automotive and drone systems with a block-based web application.

08/2013 – 05/2018

Bachelor of Engineering in Computer Science

Ho Chi Minh City University of Technology – Vietnam National University
Ho Chi Minh City, Vietnam
(GPA: 7.84/10, Good)

- Thesis title: “Using Genetic Algorithm to Solve High School Timetabling Problem.”
- Cut timetable generation time by 98%, from 1 week to 22 minutes, for 70+ teachers and 1500+ students through a two-stage genetic algorithm system.

Skills

- **Languages:**
  - English - C1, German - A2 (Currently learning, aiming to reach B1), Vietnamese - Native
- **Technical Skills:**
  - HTML, CSS, JavaScript, TypeScript, Angular, React, D3.js, Three.js, Vitest, NUnit
  - C#, .NET, Node.js, PostgreSQL, ASP.NET Core, Git, Agile (Scrum/Kanban), Deployment