Dang Vo

Software Engineer

Address: Vettersstraße 66, 09126 Chemnitz
Phone: +49 176 7312 3717

Email: dang.phuc.vo@outlook.com
LinkedIn: linkedin.com/in/dangvo95
Portfolio: dangpvo.netlify.app

Professional Profile

Software Engineer with 5 years of experience in building responsive, data-driven web and cross-platform applications using React, ASP.NET, Node.js and PostgreSQL. Skilled in creating efficient, maintainable solutions that enhance usability and performance in enterprise and research projects.

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

Work History

08/2024 – present

Freelance Web Developer
Tech stack: TypeScript, JavaScript, React, Angular, C#, Node.js

- Developed Uplinx Dashboard, a responsive React admin panel prototype using Vite, TailwindCSS, and Recharts, featuring dynamic charts, modular components, and reusable UI elements to streamline development of admin panels, analytics tools, and SaaS platforms.

- Collaborated with clients across multiple sectors to analyze requirements and technical specifications, contributing to continuous software improvement through iterative solution design and feedback.

- Provided technical support, troubleshooting, and bug fixes for client applications, advising on solutions and testing updates to enhance stability and user satisfaction.

- Developed FuginaShop, a modern and responsive e-commerce platform prototype using React and TailwindCSS, delivering a fast, intuitive, and seamless shopping experience across devices.

- Developed intuitive and scalable web applications using JavaScript standards like React and Angular on the frontend and C#/.NET and Node.js on the backend, integrating APIs and PostgreSQL to deliver robust and data-driven solutions.

07/2023 – present

Associate Researcher (collaborative role)
Technische Universität Chemnitz – Chemnitz, Germany
Tech stack: JavaScript, React, C#, C++, Qt, Three.js, Node.js

- Collaborated with cross-functional teams of software and hardware engineers and system designers using Agile methodologies to design, implement, and systematically evaluate software solutions, advancing the quality and scientific impact of research outcomes.

- Developed TUC_SWC_Designer using Angular, Node.js, C++, C#, and ASP.NET, a block-based tool for automotive education that enabled hardware interaction and reduced task completion time by 67%.

- Researched and implemented secure cloud service architectures, focusing on distributed systems, data protection, and vulnerability mitigation, to enhance reliability and security in cloud environments.

- Conducted analysis, testing, and reporting on low-code technology and block-based coding for educational applications, leading to a paper presented and published at IEEE ICCIMS 2024.

01/2020 – 10/2023	**Software Engineer**
	DiRoots Limited – London, United Kingdom
	A premier software development company in the AEC industry.
	Tech stack: TypeScript, JavaScript, React, Angular, C#, .NET, Node.js, SQL

- Led discussions and collaborated with Support and QA teams in an Agile environment as the main developer, assisting clients and users in resolving issues related to application installation and usage.

- Developed 5+ responsive and data-driven web applications with the CustomApp team using React and Angular, enhancing usability, visual consistency, and performance on large and dynamic datasets.

- Participated in code reviews with the development team using GitHub and Jira, ensuring high-quality, maintainable, and testable code that contributed to long-term system sustainability across projects.

- Optimized siphonic roof drainage calculations with the CustomApp and HydroTechnic team in their web-based hydraulic tool, reducing user task times by over 30%.

- Implemented auto-update, trial, and licensing features in Advanced Windows Installer for 90+ apps, piloted CI/CD practices to streamline builds and releases, achieving up to 75% faster delivery.

12/2017 – 01/2020	**.Net Developer**
	DiRoots Limited – London, United Kingdom
	Tech stack: JavaScript, Angular, C#, WPF

- Supported cross-functional teams in improving code efficiency, operations, and cost optimization.

- Implemented localization support for 10+ applications in four languages (English, French, Spanish, Portuguese), improving global accessibility and user experience across web and desktop applications.

- Collaborated with the RevitPlugin team to develop and maintain SheetLink, a data-driven tool for spreadsheet import/export, achieving 1000+ downloads and highly positive user feedback.

Education

10/2020 – 06/2024	**Master of Science in Automotive Software Engineering**
	Technische Universität Chemnitz, Chemnitz, Germany
	(GPA: 1.5, Very good)
08/2013 – 05/2018	**Bachelor of Engineering in Computer Science**
	Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
	(GPA: 7.84/10, Good)

Skills

- **Languages:** English – Advanced, German – Elementary, Vietnamese – Native

- **Technical Skills:**
  - JavaScript, TypeScript, React, Next.js, Angular, HTML5, CSS3, SCSS, Tailwind CSS, Three.js, D3.js, Recharts, DeckGL, Motion, Webpack, Vite, Accessibility Standard WCAG & BITV 2.0
  - C#, .NET, ASP.NET Core, WPF, Node.js, Express.js, Python, FastAPI, Java, C++, RESTful Services, PostgreSQL, Supabase, Microservices
  - Git, Docker, Azure, CI/CD, Unit Testing, SonarQube, Windows Installer
  - Agile (Scrum/Kanban), SOLID Principles, Clean Architecture, Design Patterns, OOP, Parallel Programming, Deployment Automation