

Andrew Nguyen

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Technical Skills

Front-End: HTML, CSS, JavaScript (ES6+), TypeScript, React, Next.js, Tailwind CSS, Bootstrap, Shadcn UI

Back-End: C++, C#, PHP, PowerShell

State Management & Libraries: TanStack Query, Zustand, React Joyride

Databases: SQL, MySQL, MongoDB, Firebase

DevOps & Tools: GitHub, Azure DevOps (Pipelines, Repos, Boards), Jira, Yarn, IBM Connect: Direct, XAMPP, PuTTY, TeamViewer

IDEs & Design Tools: Visual Studio, Visual Studio Code, Whimsical

Office & Collaboration: Microsoft Office (Word, Excel, PowerPoint, OneNote), SharePoint

Project Experience

CodeLink - Web Application Onboarding Tutorial

Frontend Developer

December 2024 – January 2025

- Designed and implemented a guided onboarding process using React Joyride, providing step-by-step instructions to improve user navigation and feature discovery.
- Customized and optimized the onboarding library to align with project requirements, ensuring smooth transitions and a user-friendly interface.
- Focused on delivering an intuitive onboarding journey by combining the power of React, Next.js, and Tailwind CSS to create a cohesive and visually appealing application.

General Motors - Deployment and Automation Pipeline

June 2024 – August 2024

Backend Developer

- Designed YAML pipelines to automate script execution for software installation on targeted servers, ensuring precise deployment of specified software versions.
- Scoped out and automated manual processes, leveraging automation tools to minimize errors and enhance operational efficiency.
- Integrated version control using Azure DevOps and GitHub, facilitating accurate software versioning and maintaining consistency across server environments.

Education

University of Houston Downtown, Houston, TX

Bachelor of Computer Science,

June 2016 – August 2020

Honors: Magna Cum Laude, Dean's List Fall 2019

Work Experience

CodeLink Limited, Hong Kong

December 2024 – Present

Software Developer, Frontend

- Develop and enhance responsive web applications using Next.js, React, TypeScript, Zustand, TanStack Query, and Tailwind CSS across diverse, client-driven projects.
- Transform Figma designs into scalable, accessible UI components while collaborating closely with designers, QA, and DevOps teams to ensure design fidelity and user-centric functionality.
- Drive collaborative development through GitHub pull requests, actively performing peer code reviews and ensuring timely completion of user stories and tasks with each agile sprint cycle tracked in Jira.

General Motors, Austin, TX

April 2022 – August 2024

Software Engineer, Full Stack

- Redesigned legacy HMI screens and in GE CIMPLICITY using CIMEdit, implementing standardized, code-based layout templates for Andon boards with reusable objects (alarms, messages, metrics), and restructured SQL Server plant data models to support scalable, maintainable screen updates across future deployments.
- Collaborated with senior developers to design and maintain Azure DevOps YAML pipelines for automated plant configuration for VMware environments, reducing manual plant setup time from 10+ hours to 1 hour.
- Supported the transition to standardized architecture across plant types (General Assembly, Paint, Body), enabling consistent and reliable deployment of configuration files setup for automation.

HP Inc., Houston, TX

April 2020 – April 2022

OS and Software Program Experience Support Manager

- Spearheaded Support Strategies for new product introductions and Ubuntu LTS deployments, ensuring seamless integration across commercial and consumer systems while aligning with organizational objectives.
- Applied Agile Methodologies and Software Development Life Cycle Best Practices to drive project execution, leading cross-functional teams to meet tight deadlines, resolve technical challenges, and maintain stakeholder alignment for customer support initiatives.
- Identified and Implemented Cost-Saving Measures to enhance operational efficiency and reduce expenses across generations of commercial and consumer software and operating systems.