Andrew Nguyen

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Technical Skills
Front-End: React | Next.js | TypeScript
Back-End: C++ | C# | PHP | Python | PowerShell
Libraries: | TanStack Query | React Joyride | Tailwind CSS | GSAP | Bootstrap | Shadcn UI
Databases: SQL | SQLite | MySQL | MongoDB | PostgreSQL
APIs & Integration: REST API | Ignition WebDev APIs | Resend API | Supabase | Firebase | Clerk
DevOps & Tools: GitHub | Vercel | Azure DevOps | Azure Pipelines | Jira | IBM Connect: Direct | XAMPP | PuTTY | VMware
IDEs & Design Tools: Visual Studio | Visual Studio Code | Ignition Exchange SCADA | Insomnia | Figma | Whimsical | Vite
Office Tools: Microsoft Word | Excel | PowerPoint | OneNote | SharePoint | Slack | Teams

Education
University of Houston Downtown, Houston, TX   June 2016 – August 2020
Bachelor of Computer Science
Honors: Magna Cum Laude**,** Dean's List Fall 2019

Work Experience
CodeLink Limited , Remote   December 2024 – May 2025
Software Developer, Frontend
- Delivered frontend features from Jira tickets using Next.js and Tailwind CSS, maintaining transparent communication through daily standups to report progress, escalate blockers, and ensure alignment with sprint goals and team objectives.
- Developed interactive user interfaces and dynamic components while actively engaging in cross-functional meetings to coordinate with QA teams, designers, and backend developers for seamless feature integration and testing.
- Collaborated with team members during retrospective meetings to identify potential roadblocks early, share technical knowledge, and contribute to problem-solving discussions that enhanced team efficiency and project success.

General Motors, Austin Texas   April 2022 – August 2024
Software Engineer, Full Stack
- Redesigned and modernized Cimplicity SCADA HMI interfaces using Cimplicity Basic and SQL Server, improving real-time monitoring of plant vitals (water, energy, and environmental metrics) across manufacturing sites.
- Refactored and standardized SCADA configurations, reducing technical debt and enhancing system maintainability, reliability, and scalability for production-critical applications.
- Upgraded software configuration and architecture from Windows Server 2012 to 2022, enabling automated provisioning of Cimplicity software and packages across VMware environment while reducing setup time by 90%.

HP Inc., Houston Texas   April 2020 – April 2022
OS and Software Program Experience Support Manager
- Directed software and OS support strategy for commercial and consumer product lines, defining warranty policies, customer FAQ documentation, and call center workflows to improve customer experience and reduce support costs.
- Led cross-functional support initiatives through Agile and SDLC best practices, aligning engineering, product, and support teams to deliver scalable solutions, meet launch deadlines, and resolve technical challenges.
- Developed and executed support strategy for Ubuntu workstation software packages, creating documentation and readiness plans for commercial customers adopting emerging Linux platforms, ensuring smooth deployment and long-term maintainability.

Work Project Experience
CodeLink - Web Application Onboarding Tutorial   December 2024 – January 2025
Frontend Developer
- Designed and implemented an interactive onboarding tutorial using React Joyride and Next.js, creating intuitive user guidance flows that reduced user confusion and increased feature adoption rates for new platform users.
- Integrated Zustand for state management and TanStack Query for MongoDB data operations, enabling real-time tracking of user onboarding progress and allowing users to resume tutorials from their last completed step, ensuring seamless continuation across sessions.
- Developed responsive onboarding components using Tailwind CSS and TypeScript, ensuring cross-device compatibility and type safety while customizing the tutorial library to match project design specifications and user interface requirements.

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.