




Charles Villard Software Engineer

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PROFILE

Enthusiastic software engineer, community organizer, and speaker. Passionate about developer experiences, design systems, and front-end architecture. These days, I'm digging into Astro and UI tooling.

SKILLS

Front-end and Backend Development

HTML, CSS, SCSS, JavaScript, TypeScript, React, Vue.js, Nuxt.js, Web Components, Astro, Gatsby, Jekyll, Hugo, Storybook, design systems, Node.js, PHP, Ruby on Rails, C#, .NET, SQL, PostgreSQL

CI/CD, Testing, Build Tools, and Platforms

Vite, Webpack, ESLint, Prettier, Biome, Playwright, Cypress, Jest, Testing Library, Netlify, Vercel, bash, zsh, git, nom, yarn, pnpm

Soft Skills

Communication, collaboration, project leadership, documentation, project management, mentorship

PROFESSIONAL EXPERIENCE

Senior Frontend Engineer

Hewlett Packard Enterprise

April 2022 – present

Riverview, FL (Remote)

- Advocating the adoption of a new global header across multiple business units as an engineer while developing and maintaining features using TypeScript, Web Components, and Playwright, improving developer experience and brand alignment.
- Enhanced Webpack and http-proxy-middleware configurations, CI/CD pipelines, and authorization logic to enable the deployment of React applications to cloud and on-premise server environments.
- Led the development of a newly redesigned HPE GreenLake dashboard application, replacing 80% of the user interface, streamlining high-touch functionality, and improving performance and accessibility.
- Improved the developer experience, maintainability, and performance of critical internal packages built with JavaScript and Webpack libraries.

Full-stack Engineer

Hewlett Packard Enterprise

August 2021 – April 2022

Riverview, FL (Remote)

- Prototyped new remote diagnostics software for technical support engineers with TypeScript, React, and .NET to improve performance, maintainability, and accessibility.
- Re-introduced UX research practices to the support engineering organization, improving the feedback loop between our team and technical support engineers using our diagnostics software.
- Maintained in-house hardware diagnostics tools built in Ruby and Vue, enabling support engineers to continue monitoring flash storage array servers with minimal interruptions.

Full-stack Engineer

May 2020 – August 2021

Letterhead

Riverview, FL (Remote)

- Designed, prototyped, and developed new features for a newsletter publication tool with Nuxt.js, Vue.js, PHP, and Ruby on Rails including in-app image editing, ad collateral content review, and self-service ad placement, consistently reducing publishers' time from first draft to publication by hours.
- Collaborated with UX researchers and support teams to extrapolate insights from user feedback to identify areas to improve user experience and minimize time to publication significantly.

Full-stack Engineer

August 2019 – May 2020

Tenet Partners

Miami, FL (Remote)

- Prototyped a new development environment for an in-house white-label brand management solution with Jamstack tools such as Gatsby, SCSS, and TypeScript, significantly improving developer experience, build times, and performance over its legacy predecessor.
- Maintained application deployments using legacy architectures built in C#, .NET, and JavaScript, improving stability and uptime while introducing new features.

Frontend Engineer

August 2018 – August 2019

Perficient

Miami, FL (Remote)

- Developed component libraries for Sitecore deployments using React, Vue.js, and TypeScript, increasing the customizability of large-scale marketing deployments and reducing time to production.
- Consulted for clients as a front-end subject matter expert, identifying unforeseen issues and offering realistic, efficient solutions to critical tasks.

Full-stack Engineer

June 2016 – August 2018

Tenet Partners

Miami, FL (Remote)

- Collaborated with clients and account managers to solutionize and develop new workflows, features, and themes for a white-label brand management system built in .NET Web Forms with C# and JavaScript, improving user productivity through the digital transformation of pen-and-paper procedures.
- Translated Photoshop mocks into responsive marketing websites built using Gatsby and Jekyll while supporting clients with timely content updates, increasing retention and user feedback.

EDUCATION

Associate of Arts, Mass Communications

2008 | Miami, Florida, United States

Miami Dade College

PRESENTATIONS AND SPEAKING

Episode 59 - Charles Villard [↗](#)

September 2019

CodePrep Podcast

Discussing my personal growth as a self-taught frontend developer.

Charles Villard & Simone Cuomo [↗](#)

September 2019

Global Vue Meetup

Presenting an expanded version of my talk, "On the Ramp Up to Vue"

On the Ramp Up to Vue [↗](#)

March 2019

VueConf.US

Presenting a lightning talk about my experience learning Vue.js.