Charles Villard

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SUMMARY

Enthusiastic software engineer, community organizer, and speaker. Passionate about developer experiences, design systems, and front-end architecture. These days, I've been focusing on UI tooling and web components.

SKILLS

Frontend and Backend Development

HTML, CSS, SCSS, JavaScript, TypeScript, React, Vue.js, Nuxt.js, Web Components, Astro, Gatsby, Jekyll, Hugo, Storybook, design systems, accessibility, 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, Netlify, Vercel, bash, ssh, git, npm, yarn, pnpm

EXPERIENCE

Hewlett Packard Enterprise - Senior Frontend Engineer, Remote   April 2022 — present
- Developing a new global header built using TypeScript, Web Components, and Playwright, advocating for its adoption across multiple business units to improve 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

Hewlett Packard Enterprise - Full-Stack Engineer, Remote   August 2021 — April 2022
- 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, conducting a dozen user interviews and improving the feedback loop between our team and support engineers using our software
- Maintained in-house hardware diagnostics tools built in Ruby and Vue, enabling a team of 20+ support engineers to continue monitoring flash storage array servers guaranteeing six nines (99.9999%) of uptime

Letterhead - Full-Stack Engineer, Remote   May 2020 — August 2021
- Designed, prototyped, and developed new features for a newsletter publication tool with Nuxt.js, Vue.js, PHP, and Ruby on Rails, consistently reducing publishers' time from the first draft to publication by hours
- Introduced several features, including in-app image editing, ad collateral content review, and self-service ad placement, improving session duration by reducing users' dependence on other applications and tools
- Collaborated with support teams and actively participated in user interviews to mine insights from user feedback and identify workflows and features in need of additional attention and improvement

Tenet Partners - Full-Stack Engineer, Remote   August 2019 — May 2020
- Consulted on new projects, participating in conversations and identifying challenges and solutions to custom needs for new brand management system deployments
- Prototyped a new development environment for an in-house white-label brand management solution with Jamstack tools such as React, 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 through regular updates to improve stability and uptime while introducing new features

Perficient - Frontend Engineer, Remote   August 2018 — August 2019
- Developed component libraries for Sitecore deployments using React, Vue.js, and TypeScript, enabling marketing staff to deploy landing pages and content to large-scale marketing deployments without technical intervention 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

Tenet Partners - Full-Stack Engineer, Remote   June 2016 — August 2018
- Developed and maintained a dozen deployments of a white-label brand management system built in .NET Web Forms with C# and JavaScript, providing regular updates and bug fixes
- Collaborated with client stakeholders and account executives to improve user productivity through the digital transformation of pen-and-paper procedures, saving users hours in emails and busywork
- 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

A.A. Mass Communications, Miami Dade College   May 2008

COMMUNITY ENGAGEMENT AND SPEAKING

CodePrep Podcast
Episode 59 - Charles Villard
Discussing my personal growth as a self-taught frontend developer.

Frontend Miami
Co-Organizer and Moderator
Co-organizer and moderator of a local web development community, based in Miami, FL

Global Vue Meetup
Charles Villard & Simone Cuomo
Presenting an expanded version of my talk, "On the Ramp Up to Vue"

VueConf.US
On the Ramp Up to Vue
Presenting a lightning talk about my experience learning Vue.js

PERSONAL INTERESTS

Being a girl dad, watching movies, visiting museums and parks, cooking, video games, tabletop roleplaying games, reading, drawing, and hardware development on Arduino and Rasberry Pi platforms