

Charles Villard

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

SKILLS

Frontend and Backend Development

TypeScript, Vue.js, Nuxt.js, Web Components, Astro, React, Gatsby, Jekyll, Hugo, Storybook, JavaScript, 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, git, npm, yarn, pnpm, GitHub Actions, Docker

EXPERIENCE

Frontend Engineer, HPE Hybrid Cloud & Office of the CTO

Remote, April 2022 – Nov. 2025

- Leading development, documentation, and advocacy for cross-business adoption of key post-authentication components written in TypeScript and HTML5 custom elements to improve cross-platform navigation for end users and development experience for HPE service teams
- 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 redesigned HPE GreenLake dashboard application using React and styled-components, improving products and workflow visibility, loading times, and accessibility

Full-Stack Engineer, HPE Nimble Storage

Remote, Aug. 2021 – April 2022

- Prototyped diagnostics software with TypeScript, React, and .NET as part of a greenfield effort to improve performance, maintainability, and accessibility of internal tools for support engineers
- Lead UX research within the support engineering organization, conducting internal user interviews and improving feedback between our team and support engineers using our software
- Maintained hardware diagnostics tools built in Sinatra and Vue, enabling support engineers to continue monitoring flash storage array servers, guaranteeing six nines (99.9999%) of uptime

Full-Stack Engineer, Letterhead.ai

Remote, May 2020 – Aug. 2021

- Designed, prototyped, and developed new features for an email service provider built with Nuxt.js, PHP, and Ruby on Rails, focused on significantly reducing time from 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 friction to take action within the application and users' dependence on third-party 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

Full-Stack Engineer, Tenet Partners

Remote, Aug. 2019 – May 2020

- Consulted on new projects, participated in conversations, and identified 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

Frontend Engineer, Perficient

Remote, Aug. 2018 – Aug. 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

Full-Stack Engineer, Tenet Partners

Remote, June 2016 – Aug. 2018

- Developed and maintained 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 per day
 - Translated Photoshop mocks into responsive marketing websites built using Gatsby and Jekyll while supporting clients with timely content updates, increasing retention, and user feedback

COMMUNITY ENGAGEMENT AND SPEAKING

VueConf.US 2025, Full-Circle: a time traveler's perspective on Vue

Full-length talk about migrating to modern Vue.js and its ancillary libraries presented to 150+ attendees

Leet Heat, Code.TV (Season 1, Episode 10)

Competed on the web development-centric game show combining web trivia with spicy bites on the CodeTV Youtube channel (yes, I won.)

Global Vue Meetup - Charles Villard & Simone Cuomo

An expanded version of my talk, "On the Ramp Up to Vue", presented to an international audience

VueConf.US 2019, On the Ramp Up to Vue

Presented a lightning talk about my experience learning Vue.js at VueConf.US in front of 200 attendees

Frontend Miami, Co-Organizer and Moderator

Former co-organizer and moderator of a local frontend development Slack community, based in Miami, FL

EDUCATION

Associate of Arts, Mass Communications, Miami Dade College

May 2008

PERSONAL LIFE & INTERESTS

I'm a husband, father, and serial hobbyist. Most recently my interests include cooking, TTRPGs, and martial arts. In my downtime, I enjoy movies, museums, parks, video games, reading, and drawing.