

Peter Benoit

Senior UI Developer

Federal Front-End Development | Design Systems | Accessibility | Performance

Ocala, FL (Remote)

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Summary

Senior UI Developer with extensive experience designing and building large-scale federal front-end systems. Creator of the CDC Template Package (TP), the foundation for nearly 1,000 CDC sites, and current lead developer supporting advanced site design and feature development for CDC's OPHDST division. Skilled in CSS, Sass, JavaScript, accessibility, and performance optimization. Adept at translating design standards into scalable, maintainable systems and integrating automated testing and CI/CD pipelines for quality and compliance. Known for turning complex design and accessibility challenges into functional, scalable front-end solutions.

Core Skills

CSS / Sass / SCSS • JavaScript (ES6+) • HTML5 • Bootstrap (2–5) • TailwindCSS • Accessibility (WCAG / Section 508) • Design Systems • Responsive Layouts • Jenkins CI/CD • Lighthouse Audits • Git / GitHub • WordPress / Drupal / PHP Templates • Cross-browser Optimization • Data Visualization • Agile Development • Performance Tuning • Regression Testing • Figma • Axure • Affinity Suite • Storybook • Node / npm / Webpack / Vite • Grunt / Gulp • ESLint / Prettier

Experience

Senior UI Developer

Kaiva Tech / Centers for Disease Control and Prevention (CDC) – Office of Public Health Data, Surveillance, and Technology (OPHDST) – Ocala, FL (Remote)

2024–Present

- Lead design and development for new features and modernized interfaces within the OPHDST site.
 - Develop complex front-end modules, visualizations, and layouts using advanced CSS and custom JavaScript.
 - Support AI-driven initiatives by integrating interactive and data-rich visual components into new site sections.
 - Collaborate with stakeholders to ensure high performance, consistent branding, and Section 508 accessibility.
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Senior UI Developer

Peraton (formerly Northrop Grumman) / Centers for Disease Control and Prevention (CDC) — Atlanta, GA (Remote)

2008–2024

- Supported CDC divisions under continuous federal contract through Northrop Grumman and later Peraton acquisition.
- Supported multiple CDC divisions over 15+ years, including NCCDPHP and OADC/OD, adapting to evolving organizational and technical requirements across modernization cycles.
- Directed modernization of legacy CDC sites through the Template Package, a design-system framework used by nearly 1,000 CDC topic sites.
- Introduced automated Lighthouse performance and accessibility testing within Jenkins pipelines, improving site reliability and compliance tracking.
- Championed Section 508 and WCAG standards adoption, building the foundation for CDC's current accessibility infrastructure.
- Introduced modern front-end standards at CDC, replacing legacy in-house CSS with structured frameworks like Bootstrap and jQuery to help promote a more consistent coding framework across divisions.
- Led iterative modernization through multiple framework upgrades (Bootstrap 2–5), adding component-based patterns and React modules for charts, tables, and filtering interfaces.
- Guided adoption of the agency's Clean Slate initiative, aligning visuals and UX with USWDS principles and introducing standardized components such as At-a-Glance summaries, Read Next, Related Pages, and Feedback.
- Collaborated closely with UX designers, product owners, and stakeholders to translate complex design concepts into functional, maintainable front-end solutions.
- Created an internal Storybook-style reference site and component gallery to help backend developers implement design tokens and visual standards more efficiently.
- Recognized for turning complex design and accessibility challenges into practical, production-ready front-end solutions adopted across multiple CDC programs.
- Developed cross-platform templates for PHP, .NET, and Java applications; guided migration to modular Sass-based builds.

Awards and Recognition

- W⁹ Awards (2024) — Gold for General Websites- Government (Federal) and Silver for Website Features- Best Practices for the redesign of CDC.gov while working under Peraton's federal contract to CDC.
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