

Yong C. Lee

front-end web developer



yongclee.com



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I'm a web builder skilled in using HTML, CSS, and JavaScript—along with many accompanying frameworks—to create unique experiences for users. With over six years of experience in web development, visual design, and UX, I am passionate about creating a better experience for users.

My Experience Includes:

September 2021–Present, Sr. UI Developer, SiriusXM

As a Sr. UI Developer, I worked on the company's website, enhancing and creating UI components to improve user experience. I worked with multiple frameworks and teams with an eye toward improving processes and performance.

- Implementation of UX designs into accessible, performant code
- Experience with React, NextJS, vanilla JS, and modular CSS/SCSS
- Experience with build tools, including Gulp and NextJS packages
- Experience with Jenkins deployments

October 2020–September 2021, Front-end Developer, U.S. Census Bureau

As a Front-end Developer, I supported the Census Bureau data app, data.census.gov. This web app was built in Vue, utilizing both Vuex and Vue Router. I worked on the UI team and performed feature development, defect fixes, unit testing, and end-to-end testing.

- Conversion of design documents into accessible, tested code
- Experience with Vue framework for component-driven app development
- Experience with Vuex for state management
- Experience with Vue Router
- Unit testing with Jest and Vue Dev Tools
- E2E testing with Jest, Cucumber, and Playwright
- Experience with Jenkins for project deployments

April 2020–September 2020, Sr. Software Engineer, Public Broadcasting Service (PBS)

As a Sr. Software Engineer, I produced code that supported the PBS online video app, built in React JS. With a key focus on performance of video streaming, I learned a great deal about how video is best delivered in multiple browsers.

- Experience with React JS for component-driven app development
- Experience with Redux for state management
- Experience with HTML5 video API
- Extensive focus on network performance enhancements via streaming architecture

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My Experience Continued:

July 2018–March 2020, Front-end Web Developer, agencyQ

As a Front-end Web Developer, I worked closely with both design teams and back-end software engineers to create web applications that are visually impactful, informationally rich, and user-centric. Working with a creative agency leveled up my experience as a developer and a creative.

- Within a server-side rendered React app, we utilized a headless CMS (WordPress) to build components that used the WordPress API to create a custom solution for our client
- I use a mobile-first approach to development that results in top-notch
- I'm an advanced user of SCSS to write DRY, modular stylesheets
- I am a strong advocate of accessibility standards and have upgraded multiple sites to WCAG 2.0 AA compliance
- I speak the language of design, and have collaborated closely with both UX and visual designers on all phases of a project
- I am a JavaScript geek and am happy to delve into the world of functional programming, TDD, and why using `.map()`, `.filter()`, and `.reduce()` have changed my programming mindset

July 2010–Nov 2017, Web Developer and Instructional Tech, Georgetown University

As a Web Developer and Instructional Technologist, I had the benefit of working with diverse teams to create a variety of interactive experiences. Working with graphic designers, I turned static designs into interactive, visually rich pages. I regularly used Django and WordPress to create sites and apps. We also used numerous JavaScript libraries to create interactive elements. My role focused on building the front-ends for our sites, though I had the opportunity to work with server-side code as well.

- With our Django sites, I built reusable templates for our sites that incorporated Bootstrap and jQuery. I also wrote views in Python that queried for data that fed these templates
- With our WordPress sites, I created child themes with structured CSS, modified plugins in PHP, and helped manage our upgrades and maintenance

My Education includes:

M.A. in Communication, Culture, and Technology from Georgetown University (2014)

B.S. in Information Systems from the University of Maryland, Baltimore County (2008)