Danielle Bastien

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Technical Lead - Front-End Developer

Danielle is a front-end subject-matter expert developer working to bring accessible and usable experiences to users in the browser on any given device with any tool or interfacing method that enables access.

Danielle's expertise includes project estimation and organization, design analysis, interpretation and architectural planning through an accessible and scalable lens and the development and implementation of interfaces, tooling and processes. Danielle enjoys exploring new ideas, prototyping solutions and writing technical documentation. Danielle's colleagues would describe them as attentive to detail, organized, resourceful individual who leads with curiosity.

Currently, Danielle is seeking opportunities that will allow them to develop and promote technologies that are accessible and inclusive.

SKILLS

Software Development: Animations API, Automated Testing, Cascading Style Sheets (CSS), Cross-browser Compatibility, Document Object Model (DOM), Forms, Git, Google Ads, Google Tag Manager, History API, HTML, HTML 5, Internationalization (i18n), JavaScript, LESS, MQTT, Node.js, Observer APIs, RESTful API (REST API), SASS / SCSS, Search Engine Optimization, Semantic HTML, Social Preview Optimization, SVG, TypeScript, Unit Testing, WAI-ARIA (Accessible Rich Internet Applications) , Web APIs, Web Content Accessibility Guidelines (WCAG), WebSocket, Web Standards

Frameworks, Libraries, Tools, Methodologies: Agile, Angular, Atomic Design, AXE, BEM, Bootstrap, Contentful, CSS Custom Properties (Variables), CSS Grid, CUBE CSS, Django Python, Flexbox, Google Cloud Services, GraphQL, Jasmine + Karma, Jenkins, Jest, jQuery, jQuery UI, Material UI, Mocha, Puppeteer, React.js, RxJS, SMACSS, Styled Components, Svelte, Vanilla Extract, WordPress

Design & User Experience (UX): Design Systems, Design Tokens, Graceful Degradation, Inclusive Design, Keyboard Testing, Progressive Enhancement, Responsive Web Design (RWD), Screen Reader Testing, User Experience (UX) Patterns, Web Accessibility, Web Content Accessibility Guidelines (WCAG)

Software: Adobe After Effects, Adobe Illustrator, Adobe Photoshop, Confluence, Figma, InVision, JIRA, Mural, Sketch, VS Code, Zeplin

WORK EXPERIENCE

Technical Lead - Front-End Developer • Oct 2022 - Present
Approach Controls, Inc
- Mentor developers on best practices for front-end development through continuous communication, training modules, and personalized training
- Leading architecture and deployments on the shared UI components library.
- Collaborating with other Technical Leads on development department standards and best practices
- Conduct codebase audits to facilitate the development process by implementing essential tools and automation such as linting, unit tests, and pre-commit hooks to improve the development experience.
- Reviewing and logging technical debt and creating and implementing a debt management action plan.

- Create reusable HTML, CSS, and Typescript Angular components for the shared UI components library with samples, unit and interaction testing, and documentation managed using Storybook.
- Implement routing, views, subscriptions, and observables for the application to connect data streams while utilizing reusable components from the shared library.
- Develop and troubleshoot popular libraries such as Material UI, eCharts, RxJS, Socket.io
- Debug legacy code and increase app unit test coverage from 0 to 90%
- Create angular upgrading plans, technical documents and story tickets.
- https://youtu.be/5a15SxBvw0E

Technical Lead - Front-End Development • Sep 2019 - Oct 2022

Postmedia Network Inc.

- Member of the team relaunching sites from WordPress to a new platform built with the Python Django framework out of Postmedia's network of 130+ brands.
- As front-end technical lead I was responsible for guiding stakeholders, digital department-wide teams and 6 development pods on front-end development standards and best practices from planning to peer reviews.
- Lead architecture on mobile-first responsive web development, accessibility, custom design system, and asset delivery.
- Architect and lead development team project for updating module loading strategies for custom typescript components and user-generated content
- Developing modular and reusable HTML, CSS and Typescript components for the design system, with Jest unit tests at 90% coverage, ensuring all components were themeable, responsive using design tokens
- Writing cross-platform and cross-browser mobile-first responsive CSS, utilizing custom properties, CSS grid, flexbox, support queries and media queries
- Writing semantic HTML for accessibility W3C WCAG 2.1 Level AA, utilizing graceful degradation and progressive enhancement Javascript
- Templating and business logic for user-generated content
- Testing components with keyboard only and screen readers user flows
- Utilizing SVG, JSON+LD schema, modern Web APIs and implementing 3rd party APIs
- Writing article pages with the Google AMP, Facebook IA frameworks
- Writing Django CMS Admin panel, unit testing at 90% coverage, REST APIs, and content migrations
- Modifying Django packages for internal use cases and submitting to open-source repositories
- Writing custom Webpack configurations for typescript, Gulp configurations for SCSS, upgrading packages and dependencies
- Asset optimization, compression and formatting
- Writing technical documentation for the design system and front-end architecture, and accessibility training materials
- https://youtu.be/Hw0S44-HZzw

Front-End Developer • Sep 2015 - Aug 2019

411 Local Search Corp. (yellowpages group)

- Awarded Top Performer March 2016 and Year 2016
- Front-end codebase ownership, UX & accessibility champion
- Redesign completed in AngularJS, hybrid upgraded to Angular 4, then cli-based upgrading to Angular 9
- Writing semantic HTML for SEO and accessibility, templating for user-generated content, use of SVG, microdata and Web APIs
- Developing cross-platform and cross-browser responsive CSS, utilizing CSS grid, flexbox, support queries and media queries
- Developing JavaScript in Typescript to create and implement components, code split and lazy load routing, apply graceful degradation and progressive enhancement best practices for client and server-side rendering (ng universal and PWA)
- Using RxJS observables and other library operations when fetching JSON from microservices and creating app services.

- Developing template-driven and reactive forms and custom form validators, smartphone and autofill optimized HTML inputs
- Developing reactive JavaScript to implement business rules for the management of customer products and services through internal financial tools
- Implementing Angular Material component library for internal tools, and Angular Bootstrap component library for the main site
- Third-party integrations implementing widgets, UI libraries, component libraries, and tracking codes
- Asset optimization, compression and formatting
- Volunteered for the internal committee doing photography, video, graphics, event planning, budgeting, organizing and staffing events

Software Developer • Apr 2013 - Sep 2015

Site Technologies Inc. Veloxsites

- Designed and executed HTML layouts, leveraging templating for user-generated content and writing LESS for layout theming, resulting in visually appealing and functional web layouts for customers to choose from.
- Developed custom forms with both client and server-side validators, ensuring high-quality data input while applying appropriate sanitization techniques to prevent security issues
- Utilized object-oriented PHP to create efficient code that allowed for seamless CRUD operations with MySQL, streamlining backend processes.
- Seamlessly integrated third-party widgets, UI libraries, jQuery plugins, and tracking codes to enhance functionality for customer dashboard control of their website
- Optimized multimedia assets, including video and sound editing, social media graphics, and asset processing, improving website load times and overall user experience (UX)
- Created graphics, and videos for corporate promotional materials, technical documentation and user training materials.

Web Developer • Oct 2012 - Oct 2012

Windsor Historical Society - Veterans Memories Project

- Front and back-end development, user experience and visual design for our feature documentary film static website.

VOLUNTEERING & LEADERSHIP

a11yTechNetwork

Creator • Jan 2024 - Present

Facilitate and moderate for the a11yTechNetwork Discord Server

Climate Town Knowledge Hub

Maintainer • May 2023 - Present

Website to aggregate important resources in the fight against climate change
https://hub.climatetownproductions.com/

IncluCity Calgary

Volunteer • Aug 2023 - Sep 2023

Web accessibility content guidelines and experience design reviews and beta website reviews

EDUCATION

Certificate in Web Design, Development and Maintenance

Humber College

Advanced Diploma in Film and Television Production
Humber College

Specialized in Post Production Graduated with Honours