

# Bryon Urbanec

## Front-End Engineer | UI & Accessibility Specialist

Crafting accessible, performant web experiences and scalable component design systems across agency, enterprise, and public sectors.

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📍 Windsor, Colorado

### SUMMARY

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Front-End Engineer with 10+ years of experience specializing in semantic architecture, advanced CSS, and digital accessibility (WCAG 2.1/Section 508). Deep expertise in component-driven development, utilizing Twig templating and Single Directory Components (SDC) building accessible, performant web experiences across agency, enterprise, and public sector (municipal/higher-ed) environments. Proven track record of bridging the gap between high-fidelity UI designs and performant, inclusive web experiences.

### SKILLS

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**Core Front-End Engineering:** HTML5, CSS3, SASS, Responsive & Mobile-First Design, Cross-Browser

**Compatibility Accessibility & Standards:** WCAG 2.1 / Section 508 Compliance, Accessibility Auditing & Technical Remediation

**Design Systems & Architecture:** Single Directory Components (SDC), Twig Templating, Component-Driven Development, Figma UI Translation

**CMS & Platform Ecosystem:** Drupal (7-11), Site Building, Drush, Composer, Pantheon, DDEV, Lando

**Workflow & Tools:** Git (Version Control), Agile/Scrum Methodologies, CI/CD Pipelines Developing

**Knowledge:** JavaScript, jQuery, React, NextJS, Storybook, Tailwind

### EXPERIENCE

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#### Front-End Developer

*Aten Design Group | May 2022 - March 2026*

- **Architected and delivered scalable Drupal themes** using Single Directory Components (SDC) and Twig templating across 10+ client sites, establishing a unified component framework that accelerated team development velocity and ensured design system consistency.
- **Remediated critical accessibility** deficits across 6+ complex web properties, aligning high-profile agency, enterprise, and government client sites with strict Section 508 and WCAG 2.1 compliance standards to mitigate legal risk.
- **Spearheaded full-site front-end implementations** for prominent institutions, including a comprehensive component-driven rebuild of Stanford University's research administration portal and progressive UX enhancements for the City of Raleigh's municipal platform.
- **Championed open-source tooling and reusable code** through active code contributions to the Drupal community via the Mercury Editor and Prototype Starterkit projects.
- **Engineered custom UI interactions** utilizing semantic HTML, advanced CSS/SASS, and strategic JavaScript/jQuery to bridge the gap between design fidelity and cross-browser performance.
- **Managed core and contrib module** lifecycle security updates for 10+ production environments, ensuring ongoing system stability and cross-functional alignment within Agile CI/CD deployment pipelines.

## Recent Work

### Stanford DoResearch | <https://doresearch.stanford.edu/>

Executed a comprehensive, component-driven full-site retheme for Stanford University's research administration portal using Twig, SCSS, and JavaScript within a cross-functional team.

### City of Raleigh Municipal Platform | <https://raleighnc.gov/>

Implemented progressive UI enhancements and template overrides for one of the fastest-growing city government web infrastructures to improve public service discovery.

### San Antonio Breast Cancer Symposium (SABCS) | <https://sabcs.org/>

Engineered high-fidelity, interactive front-end elements and GSAP-powered custom animations for a high-traffic medical conference web application.

## Front-End Developer & Web Designer

*RehabCreative | May 2018 - May 2022*

- **Led end-to-end front-end engineering** for diverse client website deployments, prioritizing modern, mobile-first responsive design, comprehensive cross-browser compatibility, and rendering performance.
- **Translated high-fidelity UX/UI design systems** into clean, semantic, and thoroughly tested front-end code while managing technical feasibility and ensuring strict brand consistency.
- **Collaborated directly with cross-functional developers and clients** to capture technical requirements, align project scope, and deploy scalable features for established web properties.
- **Engineered adaptive, responsive interfaces** leveraging modern HTML5, CSS3, JavaScript, Bootstrap, and Foundation frameworks to maximize mobile optimization.

## UI/UX Design Strategist & Front-End Developer

*Newmedia | May 2013 - May 2018*

- Led UI/UX design and frontend development for responsive web applications in Agile workflows, delivering solutions for PaaS/SaaS, B2B, and B2C clients
- Built and maintained Drupal websites and interactive HTML5/CSS3 prototypes using JavaScript, jQuery, and responsive frameworks (Bootstrap, Foundation)
- Leveraged Git for version control and collaborated with development teams using Agile project management practices
- Developed content and information architecture strategies to improve site usability and maintainability

## Web Designer & Drupal Themer

*Variant Studios | May 2010 - May 2013*

- Designed and developed responsive Drupal websites using HTML5, CSS3/SASS, and jQuery for diverse clients.

## EDUCATION

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- **B.A. in Graphic Design** - University of Northern Colorado (Greeley, CO)
- **B.A. in Music** - University of Northern Colorado (Greeley, CO)