Mark Tucker

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github.com/mrkteq | marktucker-portfolio.netlify.app/

TECHNICAL PROJECTS

Pure HTML/CSS Business Site | HTML5, CSS3, View Transitions API

github.com/mrkteq/marktucker-purehtmlco | purehtmlcss.netlify.app/

- Designed a fully functional business site with zero JavaScript dependencies using modern CSS Grid and Flexbox layouts.
- Implemented CSS-only mobile navigation using checkbox pattern and :has() selector, eliminating JS for interactive menus.
- Achieved Lighthouse accessibility score of 94 through semantic HTML structure and WCAG 2.1 AA compliance.

Sign-Up Form with Validation | JavaScript, HTML5, CSS3

github.com/mrkteq/newsletter-sign-up | demo-signup.netlify.app/

- Developed form validation with real-time feedback using JavaScript event listeners and regex pattern matching.
- Implemented accessible error messaging with ARIA live regions for screen reader announcements without flow interruption.
- Achieved Lighthouse accessibility score of 98 through semantic form elements and explicit label associations.

Recipe Finder Application | JavaScript, HTML5, CSS3, Edamam API

github.com/mrkteq/kitchen-hero | kitchenhero.netlify.app/

- Integrated Edamam Recipe API with pagination controls and multi-select dietary filters for refined search results.
- Implemented Intersection Observer API for lazy loading images, improving initial page load performance.
- Achieved Lighthouse accessibility score of 93 through proper label associations and focus management.

Countries REST API Browser | JavaScript, HTML5, CSS3

github.com/mrkteq/rest-countries-api | api-for-countries.netlify.app/

- Integrated REST Countries API with fetch requests and async/await error handling for robust data retrieval.
- Built search and filter functionality with debounced input reducing API calls by 85%.
- Achieved Lighthouse accessibility score of 91 with semantic markup and ARIA attributes for screen reader compatibility.

Responsive UI Design | HTML5, CSS3, JavaScript

github.com/mrkteq/responsive-web-layout | demo-rwd.netlify.app

- Built mobile-first responsive layout with CSS Grid for structure and Flexbox for component arrangements.
- Implemented fluid typography using clamp() functions scaling smoothly based on viewport width.
- Designed three-breakpoint system with 44x44px minimum touch targets for mobile accessibility.

Professional Experience | Various Technologies | 2009–2020

- Contributed front-end development for 20+ UK council websites and 15+ SME sites using AngularJS, PHP, and jQuery.
- Implemented WCAG 2.1 AA accessible components and cross-browser compatibility for high-traffic public sector platforms.
- Delivered responsive layouts across e-commerce, healthcare, and entertainment sectors serving millions of users.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (foundational), HTML5, CSS3, React (learning), jQuery, REST APIs

Tools & Methodologies: Git, npm, Responsive Design, WCAG Accessibility, Mobile-First Design

EDUCATION

Zero to Mastery Academy | Complete Python Developer | Complete Web Developer