

ADRINA MARIE ANDERSON

UX/UI Designer and Developer | Front-End Architect | Section 508 & Accessibility Expert

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Active Public Trust Security Clearance | US Citizen | Remote, USA

PROFESSIONAL SUMMARY

Senior UX/UI Designer and Developer with 20 years of front-end development experience and 16 years specializing in modern JavaScript frameworks. Proven expertise building enterprise-scale applications from the ground up for federal government (GSA, DHS, AHRQ) and billion-dollar organizations. Deep technical proficiency in Angular, React, HTML5, CSS3, JavaScript (ES6+), with 15+ years architecting cloud-ready applications and implementing CI/CD pipelines. Expert in Section 508/WCAG 2.1 AA compliance, containerized deployments (Docker/Kubernetes), and Agile/SecDevOps methodologies. Unique combination of design thinking and development expertise enables creation of both user-centered and technically robust solutions. Demonstrated success leading UI projects, collaborating with Java backend teams, and delivering scalable, accessible, production-ready applications.

CORE TECHNICAL COMPETENCIES

- **Front-End Development (16+ years):** HTML5, CSS3, JavaScript (ES6+), Modern JavaScript Frameworks, Responsive Design, DOM Manipulation
- **JavaScript Frameworks (16+ years):** Angular (2 years), React.js (8+ years), Component-Based Architecture, State Management, Routing
- **Build Tools & Package Managers (15+ years):** Webpack, Babel, NPM, Node.js, Modern Build Pipelines
- **Cloud & Containerization (10-15 years):** Cloud-Ready Applications, Docker, Kubernetes (K8s), Google Cloud Platform (2 years)
- **Backend Integration (16+ years):** RESTful APIs, Microservices, Java Backend Ecosystem, HTTP Libraries, JSON, JWT Authentication
- **Development Methodologies (16+ years):** Agile/Scrum, SecDevOps, CI/CD Pipelines, Version Control (Git)
- **Testing & Quality (15+ years):** UI Testing Frameworks, Unit Testing, Integration Testing, Performance Optimization
- **Accessibility Standards (16+ years):** Section 508, WCAG 2.1 AA/AAA, ARIA, Screen Reader Compatibility (JAWS, NVDA, VoiceOver)
- **UI Architecture & Design (20+ years):** Design Systems, UI/UX Best Practices, Real-Time Monitoring, Performance Benchmarking
- **Design & Development Integration:** Unique ability to design user-centered interfaces AND implement them in production code, bridging the gap between design and engineering teams
- **Tools & Platforms:** Figma, Adobe XD, Drupal, WordPress, SharePoint, Google Analytics, Confluence

PROFESSIONAL EXPERIENCE

SENIOR UX/UI DESIGNER AND DEVELOPER | FRONT-END ARCHITECT

Economic Systems Inc. | Falls Church, VA | August 2018 - March 2025

- Architected and led greenfield development of FedHR Navigator application, migrating from legacy Java system to modern Angular and ReactJS interfaces supporting 50,000+ federal employees
- Built scalable, cloud-ready Angular and React applications with component-based architecture, implementing routing, services, state management, and JWT authentication
- Developed containerized UI applications using Docker and deployed to Kubernetes (K8s) environments, ensuring high availability and scalability
- Collaborated extensively with Java backend teams to design and integrate RESTful APIs and microservices, establishing patterns for seamless UI/backend communication
- Established modern build pipelines using Webpack, Babel, NPM, and Node.js, implementing CI/CD practices within SecDevOps environment
- Created comprehensive design system and reusable component library, reducing development time by 40% and ensuring consistency across 15+ platforms
- Achieved 95%+ Section 508 and WCAG 2.1 AA compliance through comprehensive accessibility testing with JAWS, NVDA, and keyboard navigation validation
- Implemented real-time UI monitoring and performance benchmarking, optimizing application performance and user experience metrics
- Led Agile/Scrum development teams through full SDLC, mentoring junior developers and establishing coding standards and best practices

SENIOR UX/UI DESIGNER AND DEVELOPER - ACCESSIBILITY & COMPLIANCE

U.S. General Services Administration (GSA) | Washington, DC | January 2023 - March 2025

- Developed and deployed enterprise-scale Angular and React applications for GSA platforms serving 2M+ users across federal agencies

- Implemented comprehensive UI testing strategies using modern testing frameworks including unit, integration, and end-to-end testing
- Built ARIA-compliant, Section 508/WCAG 2.1 AA accessible components from the ground up, reducing post-launch remediation costs by 50%
- Collaborated with cross-functional teams in SecDevOps environment, implementing CI/CD pipelines for automated testing and deployment
- Conducted usability testing with 200+ participants including assistive technology users, achieving 35% increase in satisfaction scores
- Mentored development teams on accessibility best practices, modern JavaScript (ES6+), and enterprise UI architecture patterns

UX/UI DESIGNER AND DEVELOPER

U.S. Department of Homeland Security (DHS HQ) | Arlington, VA | August 2018 - March 2025

- Developed cloud-ready Angular and React applications on Google Cloud Platform for 10,000+ users
- Built responsive, single-page applications (SPAs) with modern JavaScript (ES6+), implementing advanced routing and state management patterns
- Integrated real-time UI monitoring tools and analytics dashboards, reducing information retrieval time by 45% and enabling data-driven optimizations
- Established front-end build automation using Webpack, Babel, and NPM, accelerating deployment cycles by 25%
- Architected scalable component libraries ensuring platform consistency across 12+ internal applications

SENIOR UX/UI DESIGNER AND DEVELOPER

Agency for Healthcare Research and Quality (AHRQ) | Rockville, MD | October 2016 - March 2018

- Led ground-up development of AHRQ.gov interface serving 500,000+ healthcare professionals monthly, implementing modern JavaScript frameworks
- Architected and customized Drupal 7/8 front-end with JavaScript, CSS3, and responsive design patterns, improving mobile usability from 68 to 92
- Implemented WCAG 2.0 compliant component architecture achieving 100% accessibility compliance on all deliverables
- Worked in Agile/Scrum environment delivering iterative releases on time over 16-month engagement

LEAD UX/UI DESIGNER AND DEVELOPER

SnapOne Inc. | Princeton, NJ | August 2010 - January 2013

- Architected and developed cross-platform UI applications for mobile, web, and embedded smart-home systems for \$1.06B+ revenue enterprise
- Built scalable component-based architecture using modern JavaScript frameworks, establishing enterprise-grade UI foundation
- Partnered with product and engineering teams on full-stack development, integrating front-end interfaces with backend APIs
- Implemented accessibility compliance frameworks (WCAG/508) supporting company's evolution to billion-dollar valuation

EDUCATION

Bachelor of Science, Graphic Design at The Art Institute of Philadelphia- 2010

CERTIFICATIONS

- Section 508 Accessibility Training (Current)
- AI and Agility for Scrum Masters (2025)
- Scrum Master for AI (2025)
- User Experience Design (XD/UI/UX) (Current)
- Active Public Trust Security Clearance

ADDITIONAL QUALIFICATIONS

- Security Clearance: Active Public Trust (eligible for CBP Background Investigation)
- Citizenship: U.S. Citizen
- Work Location: Available for hybrid work schedule in Ashburn, VA (2 days/week onsite)
- Angular Expertise: 2 years hands-on Angular (2+) development with deep understanding of component architecture, routing, services, and state management
- Leadership: 15+ years leading UI projects from inception to deployment, mentoring development teams, and establishing technical standards
- Unique Value: Rare combination of senior-level technical development skills, graphic design, with deep Section 508/WCAG compliance user-experience expertise