

David Marshall Senior UI/UX Engineer & Front-End Architect

Boston MA

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Professional Summary

Results-driven UI/UX Engineer with 15+ years of experience architecting high-performance, accessible web applications that deliver exceptional user experiences. Expert in modern front-end frameworks, component-based design systems, and pixel-perfect implementations. Proven track record of optimizing development workflows, mentoring teams, and driving technical excellence across enterprise-scale projects.

Core Competencies

- **UI Architecture:** Component design, design systems, microfrontends, atomic design
- **Technologies:** HTML5, CSS3/SCSS/LESS, JavaScript/TypeScript, Angular, React, Bootstrap, Figma
- **Performance:** Responsive design, cross-browser optimization, web vitals, accessibility (WCAG)
- **Process:** Agile/Scrum, CI/CD, Git workflow, technical documentation, user testing

Professional Experience

State of Connecticut Digital Service

Lead UI Engineer & Design System Architect | 2021-2025

Led front-end architecture and UI implementation across multiple state agency digital transformation initiatives, serving millions of Connecticut citizens. Established UI development standards while collaborating with cross-functional teams through Agile methodology.

Key Achievements

- Architected and implemented a comprehensive design system used across 12+ state agencies, reducing development time by 40% and ensuring consistent citizen experiences
- Engineered high-performance, accessible UI components used by 500,000+ monthly users, achieving 100% WCAG 2.1 AA compliance
- Optimized development workflow by creating reusable Sitecore components, reducing implementation time by 35%
- Mentored junior developers on modern front-end practices, improving team velocity by 25%
- Streamlined the design-to-development handoff process using Figma component libraries, reducing implementation discrepancies by 60%

Technologies: Sitecore, HTML5, CSS3/SCSS, JavaScript, Figma, AdobeCC, CodePen, Jira/Confluence

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CVS Health

Senior UI Engineer | 2019-2020

Engineered enterprise-scale web applications for a Fortune 500 healthcare company, focusing on secure, accessible user experiences for millions of customers.

Key Achievements

- Developed authentication modules for CVS Caremark serving 1.4M+ daily users, improving login success rates by 15%
- Engineered responsive interfaces that reduced mobile bounce rates by 23%
- Implemented automated accessibility testing that identified and resolved 40+ WCAG violations

Technologies: Angular 8, TypeScript, HTML5, CSS3, Git, InVision, CI/CD

Duck Creek Technologies

Senior UI Engineer & Design System Lead | 2017-2018

Spearheaded the development of Duck Creek's enterprise design system, establishing UI architecture patterns used across the company's insurance software products.

Key Achievements

- Led design system architecture that standardized UI components across products, reducing development time by 30%
- Engineered component library with comprehensive documentation, improving development team onboarding time by 50%
- Optimized build processes, reducing deployment time from 45 minutes to 12 minutes
- Implemented brand transformation for AgencyPortal platform that helped secure 3 major enterprise clients

Technologies: Angular 5, TypeScript, HTML5, CSS3/SCSS, Zurb Foundation, SVN

Agencyport Software

UI Architect & Front-End Lead | 2011-2017

Designed and developed cross-platform UI solutions for insurance industry web applications used by major carriers including AAA, Nationwide, and Kemper.

Key Achievements

- Architected multi-tenant SASS implementation for AgencyPortal 5, allowing customized branding without code changes
- Developed theming system using LESS variables that reduced client customization time by 70%
- Engineered responsive UI framework that functioned seamlessly across desktop, tablet, and mobile devices
- Created component library that reduced bug reports by 15% and improved development velocity

Technologies: HTML5/CSS3, LESS/SCSS, Bootstrap, JavaScript, Java, PHP, AWS, SVN, JIRA

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Additional Experience

Marshall Art Studio: UI & Brand Consultant | 1990-present

iFactory: Freelance UI Engineer | 2008-2009

Crunch Brand Communications: UI Developer & Designer | 2008-2009

Various Institutions: Visiting Art Instructor | 2006-2012

Technical Proficiency

Front-end: HTML5, CSS3/SCSS/LESS, JavaScript/TypeScript, Angular, React, Bootstrap, responsive design

Design tools: Figma, Adobe Creative Cloud, Sketch

Development: Git, SVN, Visual Studio Code, Node.js, Gulp/Grunt, CI/CD

CMS & platforms: Sitecore, WordPress, AWS, Java/Tomcat

Process: Agile/Scrum, JIRA/Confluence, accessibility testing (WCAG)Technologies

HTML/CSS, SCSS, Bootstrap, Javascript, PHP, Apache (HTTP Server, Tomcat, Ant, Maven), Node JS, Grunt, Gulp, MySQL, AWS, WordPress, Agile (Jira/Confluence)

Adobe CC, Figma, BBEdit, Visual Studio Code, Notepad++, GitHub, Bitbucket, Versions (SVN), Transmit and Fetch (FTP), Eclipse, VMware Fusion, MySQL Workbench

Education

Massachusetts College of Art

BFA, Design and Illustration