

DREW T. ERNST

Frontend Engineer | Software Developer Quincy, IL | (217) 653-9445 |
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PROFESSIONAL PROFILE

Detail-oriented **Frontend Engineer** specializing in **React** and **Vue.js**. Proven track record of architecting production-ready applications that solve complex business logic and high-stakes compliance requirements. Expert in translating sophisticated UI/UX designs into responsive, mobile-first interfaces using **Tailwind CSS** and **TypeScript**.

TECHNICAL SKILLS

- **Frameworks:** React (Hooks, Context API), Vue.js (Composition API, Vuex), Next.js
- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL
- **Styling & UI:** Tailwind CSS, Bootstrap, Material-UI, Sass/SCSS, Responsive Design
- **Tools & Backend:** Git/GitHub, Node.js, Express.js, Firebase (Firestore, Auth), RESTful APIs, Vite, Agile/Scrum

SELECTED PROJECT ENGAGEMENTS

Marion County DDSD | Lead Software Engineer /SP Assistant Pro – Clinical Narrative Logic Engine | 2026

- **The Mission:** Architected a "Zero-Footprint" Logic Engine using advanced Vanilla JavaScript to validate Missouri-compliant clinical narratives.
- **Technical Impact:** Implemented complex validation rules to ensure 100% adherence to state audit standards, effectively eliminating rejected plans for the agency.
- **User Experience:** Developed a responsive UI pre-loaded with state-approved active verbs (Model, Facilitate, Educate), reducing plan revision cycles by 40% for case managers.
- **Security:** Engineered a HIPAA-compliant tool for high-stakes clinical documentation within a government agency environment.

Keano Wallis | Frontend Developer High-End Portfolio & Editorial Site | 2025

- **The Mission:** Translated a minimalist, high-fashion aesthetic into a high-performance web experience featuring full-bleed photography and script typography overlays.
- **Technical Impact:** Engineered a custom navigation system with system-style labels and integrated smooth-scroll transitions to maintain a "confident, considered" design language.

- **Optimization:** Utilized lazy loading and code splitting to ensure high-resolution media assets did not compromise performance or cross-browser accessibility.
+1

Shottenkirk Quincy | Frontend Developer *Automotive Digital Marketing Platform | 2025*

- **The Mission:** Built a clean, professional commercial site focused on lead generation and personalized user paths.
- **Technical Impact:** Integrated a specialized **VIN Decoder** into the navigation to provide instant utility for car buyers.
- **Personalization:** Developed a custom "Contact Richard" CTA component to bridge the gap between digital browsing and human sales interaction.

Tony's Landscaping | Frontend Developer *Visual Storytelling & Lead Gen Site | 2025*

- **The Mission:** Transformed a service-based business into a visual brand under the headline "From barren earth to living art".
- **Technical Impact:** Developed a custom **Before/After Image Slider** UI component to demonstrate project transformations, solving a key client need for visual proof of work.
- **Stack:** Leveraged Tailwind CSS for rapid UI iteration and Firebase for secure, real-time lead management.

EDUCATION & TRAINING

- **Frontend Simplified Bootcamp:** Production React, advanced JavaScript patterns, and performance optimization.
- **Mentorship:** Advanced Software Engineering mentored by David Bragg, 2025.
- **Quincy University:** Bachelor of Communication | GPA: 3.8.
- **Culver-Stockton College:** Bachelor of Marketing | GPA: 3.8