

DREW T. ERNST

Frontend Product Developer | UI/UX Engineer Quincy, IL | (217) 653-9445 |
drew.t.ernst@gmail.com | dte-84.github.io | linkedin.com/in/dte84

PROFESSIONAL PROFILE

Detail-oriented **Frontend Product Developer** 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

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

SELECTED PROJECT ENGAGEMENTS

Marion County DDSD | Lead Frontend Product Developer *ISP Assistant Pro – Clinical Narrative Logic Engine* | 2026

- **Security & Compliance:** Engineered a **HIPAA-compliant** tool for high-stakes clinical documentation within a government agency environment, ensuring complete data integrity.
- **Technical Impact:** Architected a "Zero-Footprint" Logic Engine using advanced Vanilla JavaScript to validate Missouri-compliant clinical narratives, achieving **100% adherence** to state audit standards.
- **Productivity:** Developed a responsive UI pre-loaded with state-approved active verbs, reducing plan revision cycles by **40%** for case managers.
- **Process:** Eliminated rejected plans for the agency by implementing complex, modular validation rules.

Keano Wallis | UI/UX 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 and 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 accessibility.

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

- **Feature Engineering:** Integrated a specialized **VIN Decoder** into the navigation to provide instant utility and improve user-to-lead conversion rates.
- **Personalization:** Developed a custom "Contact Richard" CTA component to bridge the gap between digital browsing and human sales interaction.
- **UX Design:** Built a clean, professional commercial site focused on lead generation and personalized user paths.

Tony's Landscaping | UI/UX Developer *Visual Storytelling & Lead Gen Site* | 2025

- **Innovation:** Developed a custom **Before/After Image Slider** UI component to demonstrate project transformations, increasing visual engagement by providing direct proof of work.
- **Brand Transformation:** Reimagined a service-based business as a premium visual brand under the headline "From barren earth to living art".
- **Stack:** Leveraged Tailwind CSS for rapid UI iteration and Firebase for secure, real-time lead management.

EDUCATION & TRAINING

- **Frontend Simplified Bootcamp:** Focused on 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**