Andrew Watson

SENIOR FRONTEND ENGINEER | REACT · TYPESCRIPT · FRONTEND ARCHITECTURE

Kingston, NH | contact@andrewpwatson.com | linkedin.com/in/andrewpwatson1 | andrewpwatson.com

PROFESSIONAL SUMMARY

Senior frontend engineer with 25+ years building complex web applications across fintech, enterprise SaaS, healthcare data, and e-commerce. Lead frontend architecture and modernization efforts with React and TypeScript, with a focus on performance, accessibility, and reliable delivery. Own challenging problems from investigation through production and communicate technical decisions directly with leadership.

CORE SKILLS

React · TypeScript · JavaScript · Frontend architecture · React Query / TanStack Query · REST APIs · API integration · Material UI · HTML/CSS · Sass · WCAG accessibility · Performance profiling · Automated testing · BrowserStack · Data visualization · GeoJSON · Interactive mapping · PWAs

AI-ASSISTED ENGINEERING

Apply AI-assisted engineering across research, solution design, implementation, debugging, testing, and automation to accelerate delivery while retaining responsibility for technical decisions, code quality, and outcomes.

PROFESSIONAL EXPERIENCE

Senior Software Engineer | SAVVI Financial | Mar 2022 – Oct 2026

- Joined as SAVVI's first in-house frontend engineer, owning SelectSmart and NextDollar before delivering major features across the product suite, including retireSAVVI.
- Led the migration of SAVVI's frontend from React Native to React DOM, modernizing application architecture to improve performance, maintainability, and integration with enterprise benefits platforms.
- Helped evolve an AI-powered benefits and financial decision-support platform as its reach grew from tens to thousands of employers and from tens of thousands to millions of employees.
- Improved rendering speed and responsiveness through profiling, targeted refactoring, and continuous optimization.
- Improved accessibility against WCAG standards and built automated checks to help prevent regressions across releases.
- Built test harnesses, automated suites, and BrowserStack cross-browser/device coverage for deployments through Voya, Benefitfocus, and PlanSource.
- Partnered directly with the CTO on architecture, feature delivery, API integration, and production troubleshooting using React, TypeScript, and React Query.

Founding Frontend Engineer | U.VU | Jan 2022 – Present

- Founding-team member and sole frontend engineer for ExpoLife, an AI-assisted conversational geospatial health analytics application.
- Designed and built interactive maps, census-tract overlays, public-health data exploration, location-based rankings, and connected chat and analytics views.
- Help shape product and technical direction for an early-stage health analytics venture. Live product: expolife.u.vu.

Lead Frontend Engineer | Snowcrash | Apr 2021 – Mar 2022

- Led frontend development of a Solana digital collectibles marketplace using Metaplex and blockchain APIs for minting, purchasing, and secondary-market workflows.
- Developed a Bob Dylan digital collectibles initiative with Wondros and artist management as platform requirements evolved.

Senior Frontend Developer | XY.ai | Oct 2020 – Jun 2021

- Built a healthcare PWA for exploring COVID-19 data through GeoJSON, interactive maps, charts, and responsive interfaces.

Senior Frontend Engineer | Workflow by Design | Oct 2012 – Sep 2020

- Built enterprise SaaS tools for packaging production, product data, asset management, and approvals used by Dunkin', Welch's, Home Depot, Duracell, and Scotts.
- Owned frontend architecture for long-lived enterprise applications, building reusable patterns for spreadsheet-style data tools, advanced forms, and real-time workflows.
- Translated complex operational requirements into maintainable solutions with product, backend engineering, and stakeholders.

Web Application Developer | PixelMEDIA | Nov 2005 – Sep 2012

- Led development across client accounts including Perry Ellis, Pier 1 Imports, Rubik's, ECCO, and Samuel Adams.
- Developed Demandware storefronts and contributed responsive design, semantics, SEO, and structured data to SiteGenesis 2.0; presented at a Demandware conference in Boston.
- Delivered full-stack WordPress, Drupal, and PHP solutions alongside technical training, client consultation, and solution design.

ADDITIONAL TECHNOLOGIES & DOMAINS

WebSockets · AJAX/JSON · Git · Bootstrap · WordPress · Drupal · PHP · Salesforce Commerce Cloud / Demandware · Solana · Metaplex · Web3 · Enterprise workflows · Fintech · Public-health data · E-commerce