

Experienced Senior Front End Developer with over 20 years of experience developing and maintaining enterprise web applications.

Work History:

Architect, eSolutions - Tyler Technologies - Plano, TX
Jan 2010 - Jun 2022

- Guide & File - Developed a highly customizable smart form authoring tool.
- Tyler Forge - Integrated vanilla web components into the Framer prototyping application by encapsulating each component in React. Created interactive demos of each component on Gatsby.
- Modria - Rewrote the front end with Angular 7 without altering the back end or web service APIs.
- Courttools - Completed an MVP of a custom business intelligence web application that uses NVD3 graph and chart visualizations.
- Public Access - Improved the UX of an ASP.NET application that provides court records to the public.
- Supported a major client's legacy e-filing application by writing custom monitoring and resolution tools to keep a steady workflow.
- Implemented a completely client-side autocompleting search capability in the help panel of a Windows application using only vanilla JavaScript.
- Conducted empathy labs to raise awareness of UX accessibility concerns by demonstrating WCAG standards and tools like WAVE and AXE.

Software Engineer - Worldwide Internet Solutions (Wiznet) - Delray Beach FL
Dec 1998 - Dec 2009

- eFile & Serve - Co-created the most widely used electronic filing platform for civil courts in the US. Later acquired by Tyler Technologies and is now mandatory in many states and localities where it has generated significant revenue for the division.
- Migrated a Windows native application to the web.
- Customized the Retrievalware semantic search engine to optimize indexing and modify how results are ranked and highlighted.
- Wrote a custom PDF to text utility from scratch in C++.

Core Competencies:

- Vanilla JavaScript, Angular, React, and HTML5
- Custom elements, shadow DOM, HTML templates, and local storage
- Web workers, mutation observers, and event loop
- Rapid development of pixel-perfect prototypes with simulated service calls and realistic mock data

Familiar With:

- WCAG, OWASP, Material UI, Bootstrap, and Knockout.
- Digital media generation, presentation, conversion, editing, and optimization.
- Webstorm, Visual Studio, GitHub, DevTools, Firebug, Fiddler, Charles, and NVDA.
- Automated testing with Puppeteer, Jasmine, Jest, and Cypress.

Skills Development:

- TypeScript, C#, Java, Go, Python, and/or Ruby
- Vue, Solid, Svelte, Storybook, or any new frameworks/tools
- Node.js for back-end development
- Cloud-native architecture
- Automated container deployment with Docker, k8s, etc.

Education:

- Associate of Arts, Indian River Community College

Interests:

- Machine learning, NLP prompting, LLMs, transformers, and data compression
- Astronomy, astrophysics, quantum physics, meteorology, ontology, geology, and cellular automata
- Museums, makerspaces, hiking, exploring nature, reading tech news
- Empathy, perception, philosophy, meditation, Zen, and especially cats

<https://www.linkedin.com/in/faulknerjosef/>