

Justin Winslow

UI Developer / Designer

<https://github.com/justinwinslow>

justin@jwin.me

Summary

After 15 years in the field, I've done design and development for companies ranging from 20 to 20,000 employees, in sectors as diverse as insurance, solar technology, and marketing automation. In that time I've had the opportunity to architect multiple ambitious, browser-based applications from conception to profitability – including solar array performance metrics, monitoring, and intelligence as well as a sophisticated marketing automation tool. I'm also an accomplished leader with over 10 years of experience leading teams including hiring and mentoring engineers.

Experience

Staff Software Engineer

ActiveProspect www.activeprospect.com

Austin, TX | November 2013 to May 2023

- Architected an ambitious user-facing application using **angular.js** that allows for configuration of “flows” (the path the data takes through the system) as well as **data visualization** and analysis of trends in aggregate.
- Worked closely with stakeholders and leadership to define key concepts that fundamentally shaped how the product worked and ultimately how the **node.js** backend was designed. Due to the nature of third-party systems, asynchronous communication handling offered greater flexibility for data handling.
- Created the framework for “integrations” – mini-applications that run within the platform and provide sandboxed communication tailored to various third-party systems. My objective was to create a very small and shallow API via **iframe postMessage** for 2 way communication and allow integration developers to use their preferred tooling. Because future integrations were likely to be built by backend engineers and because performance wasn't a concern, I opted to build the initial examples with **angular** on the front end (given how easy it is to get data binding and http traffic going) and a simple **express** backend for authentication, proxying, and whatever other actions were required.
- Worked on transitioning the application while in production from **angular.js** to **vue.js**

primarily due to performance issues with the former. This included migrating from **require.js** to **webpack** and **npm**, plus targeting ESX in development with compilation to browser compatible JS (via **babel**) for release.

- Set up **continuous deployment** of branches to **AWS Amplify** for acceptance testing.
- Compiled styles and application components into a shared **library** for use across the organization including documentation and examples presented with **Storybook**.
- Managed the interviewing, hiring, and mentoring of development and design candidates.

Lead Interface Designer/Developer

Draker www.drakerenergy.com

Austin, TX | August 2012 to November 2013

- Major refactor of inherited 10 year old legacy **Rails** application including moving entirety of frontend to use **Require.js**, improving deployment process and updating components to be i18n compatible.
- Merged functionality of original Solar Power Technologies Intelligent Array software and the legacy Draker Sentalis product on an incredibly tight timeline - less than a month - to be ready for an international solar conference.
- Ground up rebuild of flagship product moving to a service oriented architecture and single page client side application with **Backbone.js** for data modeling and **Marionette** for layout and event management sitting atop a **Node.js** backend for session management which also allowed us to unify API topology and handle proxying to the various other silo'd services.
- Took charge of server management on **EC2** using **Nginx** to proxy requests to the Node server and serve static assets and automated application deployment with **git** post-receive hooks to push new code and run the build process.

Lead Interface Designer/Developer

Solar Power Technologies www.spowertech.com

Austin, Texas | May 2011 to August 2012

- With a team of 3 developers, built an industry leading solar array monitoring software from the ground up in less than 1 year.
- Specific development tasks included complete visual and interactive design, building a bespoke **javascript** framework with custom dependency management, and the creation of custom modules for various types of charting, array status and a physical array map with heat-map/overlay functionality.

User Experience Designer

SolarWinds www.solarwinds.com

Austin, Texas | December 2010 to May 2011

- Designed components for SolarWinds' flagship software Orion as well as interfaces for a number of Windows applications including an SNMP Enabler, port mapper and Netflow analysis tool.
- Worked with off-site developers to conceptualize and create solutions to overcome issues and limitations with development tools like **Windows Presentation Foundation**, **WinForms**, and **HTML/CSS**.

User Experience Designer

NIC www.nicusa.com

Austin, Texas | May 2010 to November 2010

- Participated in a remediation project to re-brand Texas State applications and bring them up to current accessibility standards.
- Redeveloped the Texas.gov application template to be mobile ready with the use of (then) new **responsive HTML5** and **CSS3** techniques.

User Interface Analyst – Designer

USAA www.usaa.com

San Antonio, Texas | September 2007 to May 2010

- Developed concepts for the future of on-line financial transactions including the future of auto acquisition which became a \$26 million project.

Education

Duquesne University, Pittsburgh, Pennsylvania

Bachelor of Music Technology/Sound Recording

August 2003 to May 2007

Skills

JavaScript, HTML, CSS (stylus, sass), AWS (S3, EC2, Amplify, Cloudfront), Vue.js, AngularJS, React.js, Next.js, TypeScript, Webpack, Grunt, Babel, Git, Github Actions, Testing (jest, karma, mocha, chai, cypress), CI/CD, nginx