

Pierre Pirault

Senior / Lead Web Developer

Summary



6+ years of experience in designing & developing feature-rich web applications using HTML, CSS, and JavaScript.

Capable of quickly learning and delivering solutions as an individual and as a part of a team.

Ability to lead a team, both technically and as the liaison between Technology and Business.

Devoted to communication as a fundamental part of creating lasting software.

Self-reliant with excellent forecasting and decision-making skills in high pressure situations.

Microsoft Certified Specialist (MCS): Programming in HTML5 with JavaScript and CSS3 Specialist

Expertise in

- 0 JavaScript (ES6)
- 1 DOM API
- 2 Node.js
- 3 NPM
- 4 jQuery
- 5 React
- 6 Git
- 7 Web technologies (HTML, CSS, HTTP)
- 8 Responsive Web Development
- 9 Unit and integration testing
- 10 Application design and architecture
- 11 Forms
- 12 Cross-browser feature compatability (caniuse.com)
- 13 OOP
- 14 RegEx
- 15 Browser Developer Tools (debugging/diagnosing)
- 16 Synchronous/Asynchronous process harmonization
- 17 Automation
- 18 Code refactor
- 19 Code review
- 20 Requirements gathering
- 21 Rapid prototyping

Experience with

Web servers (NGINX, Express)
Redux
Typescript
RxJS
Angular
Angular.js
D3
Ansible
Grafana
Redis
C
Java
POSIX/BASH Shell and Scripting
SQL
Linux (Ubuntu, ArchLinux)
FreeBSD
Build tools such as Webpack, Babel, and Grunt (and using NPM as a build tool with scripts)
HTML templating libraries (Handlebars, Pug)
Passport.js
CSS preprocessors
PostCSS
eCommerce
server administration
Agile
offshore/onshore model
WCAG
Accessibility testing, using JAWS, iOS VoiceOver and Android TalkBack
Management/planning tools such as JIRA, Rally, TFS, Microsoft Excel
Wireframing
Flow / UML diagrams
Confluence / Wiki's
Production build and deployment procedures


Work Experience


Murray, Utah
(7 mo) October 2018 – Present

Senior UI Developer

Senior React UI developer building an online-banking responsive web experience.

Used advanced React to rapidly build online-banking forms according to high-fidelity visual designs, using best practices.
Built a form framework from scratch, including validation handling.
Built a test harness, a complete mock environment, and several test scaffolding tools to write and maintain React component tests.


Remote
(4 mo) August 2018 – December 2018

Senior UI Developer

Chief architect and developer of rapidly developed MVP of Binary Tree's Innovation Lab's flagship Cost Governance product.

Within first two weeks of work: scaffolded React app using create-react-app, ejected, customized webpack configs, DRY'ing up similarities using webpack-merge, implemented react-router, implemented Redux state management, and built custom Form implementation to rapidly flesh out 7 forms for first demo.
Swapped custom form implementation for robust solution using several different libraries, including Formik.
Built highly complex custom components as part of "dashboard-style" SPA, using JavaScript and React best-practices.
Worked with fully remote team, using Skype for Business as the primary method of communication.


Lindon, Utah
(3 mo) August 2018 – November 2018

Full-stack Engineer

Chief UI/UX designer, architect, and lead engineer of Angular GUI to manage server nodes in clusters via a REST interface implemented in Node.js. Drastically changed gears to scrap Angular app in favor of advanced D3 visualization to provide a convenient and scalable way of visually monitoring large clusters of servers.

Rapidly brought myself up to speed to become proficient in the following new technologies for me: Angular, Typescript, angular-cli, angular-material, RxJs, Axure, D3, Ansible, Grafana
Created interaction prototype to rapidly test UX ideas using Axure.
Designed Angular app structure in generic, composable, and reusable way.
Wrote Node script to translate JSON representation of module/component tree into a newly scaffolded application tree, using angular-cli as a back-end.
Built login page and implemented complex routing scheme, using lazy-loaded modules and an AuthGuard.
Ramped up on Ansible and prepared presentation comparing the pros and cons of Ansible's AWX and a roll-my-own solution
Built complex D3 visualization from scratch, incorporating zooming and panning and HTML overlays, and then turned visualization into Grafana plugin.


Charlotte, North Carolina
(2 yrs 6 mo) March 2016 – August 2018

UI Lead

Senior full-stack engineer on a home-grown build platform and UI framework based on Node.js called SPARTA. Successfully navigated several teams and became liaison between Payments/Transfers and the platform team. As lead, studied complex wireframes and ensured successful design, build, and release of several projects, including Zelle enrollment and the "add an alias" functionality to enable Email/Mobile Transfers. Managed several team members as direct-reports, as well as stayed ahead of technological trends and brought their implementation into harmony within an environment focused on stability and security.

Built CLI tools using Node.js and BASH scripting to automate for streamline common tasks during development across the organization, eliminating pain points for 40-50 developers.
Built a component micro-library borrowing from React and Angular, under deadline pressure, and successfully used it to build new Zelle "simplified enrollment" project, comprised of complex client-server-user interactions.
Built a Web-UI and mock REST API server for Erica, consuming the JSON responses meant for Native app development as a POC.
"Climbed the corporate ladder", eventually gaining 5 direct-reports, and many responsibilities including code quality management; mentoring; interviewing; onboarding


Ann Arbor, Michigan
(1 yr 5 mo) September 2014 – March 2016

UI Lead

Internationalized dominos.com by: enabling it to render RTL languages (Arabic) through the use of CSS; enabling use of different digital payment vendors by building a "payment gateway" using inversion of control to isolate the differences between implementations into configuration objects; building a "store-locator" using the Google Maps API and a "drop-a-pin" feature; and leading the effort to produce versions of the site for the Dominican Republic, Jamaica, Bahamas, Colombia, South Africa, Saudi Arabia, Egypt, Qatar, and Italy.

Almost single-handedly implemented the internationalization of the Dominos.com responsive web eCommerce platform.
Led team of 3 developers in construction of Dominos.com sites for Jamaica, Bahamas, Columbia, Dominican Republic, Saint Martin, Saudi Arabia, Egypt, Lebanon, Qatar, South Africa, and Italy.
Built internal tool using Backbone.js to provide a portal for international franchisees to streamline the updating of webapp assets to shift the responsibility from the developers to franchise owners.
Helped to build a platform using Node.js and Grunt to create production builds and run units of web application.
Wrote scripts using Node.js to automate large and complex refactoring of JSON files.
Wrote a Node.js script to convert all characters on the site into Chinese characters as a POC.
Led effort to "fix" global site in one two-week sprint, after merge of US code with international code into a unified code-base.

January 2012 – January 2013
Homeschooled English and Mathematics in France, learned French, and spent time with my dad, uncles' families and grandparents in France. Completed Associate of Science in Mathematics from Northern Virginia Community College and George Mason University.

Impact Applications, LLC
Marietta, Georgia
(2 yr 4 mo) January 2011 – December 2011 / January 2013 – June 2014

Web Developer / Server admin

Worked remotely building and maintaining various pages, websites, and applications for small businesses.

Built restaurant ticketing application using Angular.js
Built portfolio hub show-casing different websites using jQuery animations and iFrames

The Empowerment Network (TEN)
Bethesda, Maryland
(2 mo) August 1996 – September 1996

Website Developer

During the summer, was hired by the non-profit company my mom worked for to build their first online presence - for which I was paid \$350.

Hand-coded The Empowerment Network's first Website using Microsoft Notepad and Internet Explorer.
Used only HTML.
Used tables and frames to achieve a navbar and a 2-column layout.
Used HTML attributes to achieve all styling.