

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 React
- 2 Angular
- 3 DOM API
- 4 Node.js
- 5 NPM
- 6 jQuery
- 7 Web technologies (HTML, CSS, HTTP)
- 8 Web servers (NGINX, Express)
- 9 Responsive Web Development
- 10 Application design and architecture
- 11 Cross-browser feature compatability (caniuse.com)
- 12 Version Control (Git, SVN)
- 13 OOP
- 14 RegEx
- 15 Browser Developer Tools (debugging/diagnosing)
- 16 Synchronous/Asynchronous process harmonization
- 17 Automation
- 18 Code refactor

Experience with

Typescript
RxJS
Flux
Redux
Angular.js
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)
Vim
Sublime Text
HTML templating libraries (Handlebars, Pug)
Passport.js
CSS preprocessors
PostCSS
eCommerce
server administration
Rapid prototyping
Agile
offshore/onshore model
WCAG
Accessibility testing, using JAWS, iOS VoiceOver and Android TalkBack
Unit, Integration, E2E testing, and TDD, using QUnit, Jasmine, Mocha, Chai, and Phantom.js
Management/planning tools such as JIRA, Rally, Microsoft Excel
Wireframing
Flow / UML diagrams
Confluence / Wiki's
Production build and deployment procedures

Things I would like to learn more of in the future:

C
Ruby
Redis
Data-modeling equations & algorithms
R

Work Experience



Lindon, Utah
(1 mo) August 2018 – Present

Senior 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.

Angular, Typescript, angular-cli, angular-material, rxjs, Axure, Git, Node, ES6
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.
Code-reviews on Node.js application logic in BitBucket.



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

Senior Full-stack Engineer

Senior 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.

Node, ES6, jQuery, React, Redux, Webpack, Express, MVC
Worked on feature development and debugging large Node.js project in enterprise environment
Built CLI tools using Node.js and BASH scripts to automate and streamline common tasks during development across the organization, eliminating pain points for 40-50 developers.
Designed and built a deployment dashboard used by an estimated 100 developers, using React, react-router, and react-redux.
Built a component library similar to React, but with each component being comprised of a model, a view, and a controller.
Built a Web-UI and mock REST API server for Erica, consuming the JSON responses meant for Native app development as a POC.
Experience managing and leading: 5 direct-reports; code reviews; mentoring; interviewing; onboarding
Agile environment.
Review complex wireframes and visual specs / Application design planning / Architecture and UI component implementation planning.
Building and maintenance of global UI components.
Worked closely with team, including offshore members, to rapidly build POC's.
Functioned as lead UI architect and engineer for new feature development, and Node.js SME and lead for Payments/Transfers
Worked closely with UX consultants to review visual designs and with ADA analysts to ensure ADA-compliance in UI components.
Build complex features and components using coding best-practices.
Code-review/audit.
Debug and fix complex ADA issues, using code refactoring and ARIA attributes.
Test pages using JAWS, Android TalkBack, and iOS VoiceOver.



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

Senior Full-stack Engineer

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 the "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 front-end developers.
Helped to build a platform using Node.js and Grunt to create production builds and run unit tests 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.
Built a REST API server using Node.js and Express, reimplementing legacy JAVA services, as a POC.
Implemented new features and maintained existing code for global online ordering platform.
Led effort to "fix" global site in one two-week sprint, after merge of US code with international code into a unified code-base.
Designed and implemented "global payment gateway" solution to handle different online payment vendors.
Lead developer of "drop-a-pin" store-locator for international markets, using the Geolocation API with GoogleMaps API.
Worked closely with TDM's and BA's to harmonize requirements to realistic and practical timelines with regards to degree of technical complexity.
Mentored team-members on Git commands and methodology.
Mentored team-members on design patterns and architectural best practices.
Heavily involved with release process and the deployment of hotfixes.
Used JIRA to manage workflow, and to create tickets with appropriate story points, acceptance criteria, etc.
Used Confluence for writing and organizing API documentation.
Used Stash to manage Git pull requests.
Used FishEye/Crucible for code-reviews.
Modified deploy scripts to deploy artifacts to various development/QA environments.

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.

HTML, CSS, JavaScript, jQuery, Angular.js, and Wordpress.
Worked briefly with a wide range of technologies, both back-end and front-end.
Provisioned servers, installed and configured web servers, and deployed applications.
Wordpress installations and configurations
Built restaurant ticketing application using Angular.js
Built portfolio hub show-casing different websites using jQuery animations and iFrames
Experience with Cross-browser HTML and CSS layout compatibility; Developer tools for Internet Explorer and Chrome. Firebug for Mozilla Firefox.

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 to achieve a navbar and a 2-column layout.
Used HTML attributes to achieve all styling.