

HTML5
CSS3
JavaScript
TypeScript
Angular
NgRx
Redux
AngularJS
Material
Bootstrap
Node.js
Express
MongoDB
MVC / MVVM
Backbone.js
D3.js
MathJax
MathQuill
Katex
LESS
SCSS
Flutter
Dart
Grunt
Bower
JSON
Handlebars
Jade
Git
Jekyll
Bing Maps
Google Maps
Cucumber
Poltergeist
Karma
Jasmine
Jest
Marbles
Google Analytics
Omniure
JSP/JSTL
PHP
MySQL
Zelda
VS Code
BBEdit
Photoshop
Illustrator
Flash

David Strong

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Experience

Merrill Corporation, Staff Software Engineer - Technical Lead, May 2019 - Present

Member of an agile, multi-disciplinary team, responsible for the core functionality of our platform and applications. Working in a collaborative partnership with UX, I am tasked with the implementation of new features and architectural updates.

- Implementing designs using Material components
- Development in Angular 7 and NgRx within a library-based system
- Extensive unit testing using Jest, Jasmine and Marbles

Pearson, Senior Software Engineer, R&D, Apr 2015 – Mar 2019

Lead the front-end efforts in rapid prototyping on an R&D team formed to demonstrate innovation and bleeding edge technology. Bridging between roles of UI engineer and UX designer. Developing applications to showcase intelligent capabilities through restful APIs.

- Planned and ran successful, cross-team and multi-discipline, agile projects
- Design of engineering solutions using microservice architecture
- Named inventor on over 25 patent pending applications
- Developed a variety of web based, mobile first, PoC applications in AngularJS
- Assisted in running a 200+ user pilot study to gather interaction data of a PoC application

OppenheimerFunds, Senior Web Developer (contractor), Dec 2014 – Jun 2015

Short-term contract to take a proof of concept sales presentation tool, and develop it into a production ready application. I oversaw development through beta testing and revisions.

- Light-weight iPad web application using Handlebars, Backbone.js, Slick.js, and Velocity.js
- Designed to function offline using HTML5 local storage and ApplicationCache

Placeable (LocationInsight / InfoNow), Information Architect, Feb 2008 – Nov 2014

Founding member of Placeable. As an Information Architect, I was responsible for the look and feel of our applications, as well as the development of desktop and mobile views.

- Developed responsive interactivity for desktop and mobile users in an MVC framework
- Fortune 500 clients such as Bank of America, JPMorgan, Wells Fargo and AAA Carolinas
- Developed internal applications on the MEAN stack (MongoDB, Express, AngularJS, Node.js)
- Interactive map JavaScript APIs; Google and Bing maps
- Developed a customer facing dashboard product using D3.js, Backbone.js and Node.js

Strong Possibilities, LLC, Owner, Mar 2001 – Feb 2008

I operated my own company consulting and contracting for both large and small clients.

- Designed web sites for local small businesses, developed advertising and branding
- Built easy to use inventory management data systems using PHP and MySQL
- Taught workshops & classes on a wide range of multimedia topics

Early Roles

eCollege, Multimedia Specialist, Aug 2005 – Nov 2006

Level 3 Communications, Training Technologist, Mar 2003 – Mar 2004

Accenture (Andersen Consulting), Multimedia Developer, Mar 1994 – Feb 2001

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About Me

Simplicity is the ultimate sophistication

I live for innovation and am currently a named inventor on over 25 patent pending applications. Pushing the boundaries of what is possible without forgetting the user's needs. Ease of use is far more important than being flashy or cool. I enjoy early stage exploration of new ideas, adopting an MVP (minimal viable product) approach and engaging with user concerns as early as possible. Embracing direction adjustment or even radical changes throughout rapid prototyping and initial development phases.

An enthusiastic mentor, I get as much or more satisfaction out of enabling my team's success than my personal accomplishments. Strong analytical and collaborative skills facilitate decisive navigation of issues. Capable of guiding teams and fostering professional growth, enabling a highly productive team atmosphere with focus on trust, respect and clear communication.

With more than two decades of experience, I bridge between the worlds of UI and UX, I'm an excellent front-end engineer with a strong eye for design. I believe that a mobile-first and responsive web approach is the default starting point for any modern application with very few exceptions. The balance between business drivers and technical concerns should be maintained, understanding the tradeoffs between what should be built vs what can be built.

Well versed in JavaScript with and without frameworks and third-party libraries, I've been developing in web based-technologies since the birth of the web. As a veteran of the browser wars of today and years past, I ensure compatibility across major web browsers, desktop and mobile devices. I am an expert in accessibility such as compliance with ADA (American Disability Act) guidelines. I've developed single page applications, native mobile apps, public web sites, online training, dashboards and internal systems using a variety of languages and technology stacks.

Education

Graduated from the Art Institute of Colorado, 1993 Visual Communications