

# Bradley Staples

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## SOFTWARE ENGINEER

### QUALIFICATIONS SUMMARY

Seven years of career highlights in the areas of:

- **Adaptation:** Self-taught developer who thrives in situations where creative cross-browser solutions to coding issues are needed.
- **Quick Iteration:** Ideal workplace is fast-paced, iterating from a minimum viable product and building upon the foundation with short, successive changes until feature parity is met.
- **Project Management:** Able to work as an individual or on a team to manage core-business projects and drive them to completion under critical deadlines.
- **Ability Maintenance:** I enjoy actively keeping my skill-set and tooling current with industry standards acquired via blogs, newsletters, code-crawling, and the active community.
- **Broad Foundation:** Experienced with both front- and back-end coding and methodologies.

### PROFESSIONAL EXPERIENCE

#### SOFTWARE ENGINEER

Grokker, Inc. [grokker.com], June 2013 – Present

- Software stack included Node.js/Express with an in-house designed JavaScript module system, and MongoDB with custom object modeling wrappers for the database.
- Rewrote nearly all of the UI code transforming a desktop-only site into a fully responsive, mobile friendly adaptation.
- Decreased the 'start render' metric by an average of 0.5 seconds, and decreased load time in general by an average of 4.5. My research led to a change of CDN after noticing the disproportionate amount of time content took to download.
- Collaborated with product, design, and marketing to facilitate new product features, discuss potential features and shortcomings of suggestions, and ways to limit feature scope to quickly iterate and deliver minimum viable products.
- Took ownership of the entire CSS codebase. Changed from Less to Sass, leading to broader functional capabilities and more comprehensive build tool support. Introduced Autoprefixer, eliminating the need to include CSS vendor prefixes. Created a style guide, including CSS coding standards, and led efforts for the engineering team's adoption.
- Spearheaded replacement of many raster images with SVGs, reducing page weight and improving appearance on high-density display. Created SVG "sprite sheets" containing reusable symbol definitions that could be animated via JS/CSS while applying dynamic stroke/fill colors.
- Implemented several new site features while working with the full stack, including data modeling, URL routing, UX/Interaction, templating/layout, animations and CRUD work.
- Refactored the core controller for all video playback used to track events for different types of videos (online courses, regular videos, preview videos, limited time guest videos, expert bio videos) across a large number of UI schemes that could be played via multiple "engines" (HTML5, Youtube API, 4 Flash APIs). All metrics gathered during video playback, state management, video overlays, and video configuration had to pass through this controller.

#### SOFTWARE ENGINEER

Glyde Corp [glyde.com], May 2012 – May 2013

- Served as integral member of the engineering team developing, organizing, and maintaining the primary user interface of Glyde (a peer-to-peer marketplace for consumer media and electronics) and several subsidiary projects.

- Collaborated with engineering, marketing and product teams to add and adjust features based on metric driven decisions to a complex object-oriented codebase.
- One of two engineers who architected, modeled, developed, and implemented the Sell-Smart [glyde.com/sell-smart] service which compares Glyde's prices and features with other leading marketplaces.
- Learned Ruby On Rails 2/3, CoffeeScript
- Utilized services such as Github, SVN, Jasmine, PhantomJS, jQuery, Prototype, Underscore/LoDash, Mustache, Google Charts, Google Analytics, Kissmetrics, GitHub and Heroku
- Introduced the first functional testing via PhantomJS (headless Webkit) and Jasmine.

## LEAD PROGRAMMER

TWG (The Web Guys) Design Studio [thewebuys.com], January 2008 – January 2012

- Served as a flexible developer working in back- and front- end, creating customized client websites in collaboration with sales and design.
- Rewrote more than 20 saleable components from scratch for improved customization and performance.
- Recreated the architecture for MyNewKyHome.com with increased functionality and speed.
- Developed a large-scale menu ordering system and a mailing list manager for Sysco to distribute to regional restaurants.

## EDUCATION

### Degree in Web Design & Development, 2007

Elizabethtown Community & Technical College

Elizabethtown, KY

## TECHICAL EXPERTISE

**Languages:** HTML5, CSS3, Less, Sass, JavaScript, Node, CoffeeScript, HAML, Jade, PHP, Ruby On Rails, SQL, Mongo  
**Software:** Photoshop, XAMPP, SQL Server, Wordpress, Git, SVN, Terminal/CLI  
**Exposure:** ActionScript 2/3, IIS, Apache, NGINX

## PERSONAL PROJECTS

### Resizive [resizive.com]

Resizive enables easier detection of content-based breakpoints, helping to decide what widths need media queries for responsively designed, fluid-width websites. It allows increment 'stepping' of the viewport width to discover when your website's content layout is failing, and can also animate between a minimum and maximum width to help visualize your design in realtime. This allows you to discard out-dated device sizes as your breakpoints for your media queries and use the content itself as a guide, fulfilling a richer, better experience.