

Howard Jess

Web Application UI/UX Developer

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Brief

After building desktop applications, system programming, and networking infrastructure, I've focused on web application UI development. I'm especially interested in user experience and accessibility. I thrive in a collaborative team environment; in a team setting, I am highly-collaborative, and offer excellent communication and creative problem-solving skills.

Skills

Languages: [Javascript](#), [Typescript](#), [HTML](#), [CSS](#) ([Less](#), [SASS/SCSS](#))

UI Technologies: [Bootstrap](#), [Element UI](#), [DOM](#), [HTTP](#), [i18n/i10n](#), [jQuery](#), [Knockout](#), [MVC](#), [REST](#), [TCP/IP](#), [Vue.js](#)

Tools: [Bourne shell](#), [GIMP](#), [Git](#), [npm](#), [VIM](#)

Systems: [Linux](#), [Unix](#), [Mac OS/X](#), [Windows](#)

Development: [Agile](#), [Scrum](#), [Kanban](#)

Professional Experience

[Trupanion](#)

2017 → 2023

Javascript, Typescript, Vue, SCSS, CSS, Bootstrap, HTML, Razor (C# templates), SignalR, ASP.Net, Git

Trupanion's first dedicated UI specialist. Projects:

- [VetPortal](#) (lead UI dev): cut payload by 50%, decreasing server load and client load time, in a full rewrite of vet hospital software.
- Hospital Management Tool (sole UI dev): created a VetPortal support app, reducing support staff paperwork and load.
- [Member Portal](#) (lead UI dev): developed member access application v2; reduced customer phone support load by 70%.
- Partner Portal (sole UI dev): revamped web app for State Farm agents to create and manage policies; increased policy sales by as much as 1%.
- Agent Reassignment Tool (sole UI dev): invented web app for State Farm managers to manage agent policy assignments, reducing paperwork by 50%.
- [Website 3.0](#): consulted/mentored the rewrite team Trupanion's public-facing website.

[Navigating Cancer](#)

2016 → 2017

Bootstrap, Coffeescript, Backbone.js, HAML, JSON Schema, JSON Editor, Mocha, Ruby on Rails, SASS

Developer for Navigating Cancer's suite of Patient Care Management software, dedicated to improving and streamlining the relationship and care experience for cancer patients and oncology clinics. Projects:

- Complex Triage Pathways: implemented [JSON Schema](#)+[JSON Editor](#)-based live forms to standardize symptom data recording; reduced clinic tech training load by 50%.
- [Living Style Guide](#): continued work to maintain and upgrade the style and component library document; lowered developer support cost by 30%.

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Rosetta Stone

2012 → 2016

AngularJS, CouchDB, HTML, Javascript, Mixpanel, SCSS, Sproutcore

Developer for Rosetta Stone's [Advanced English for Business](#) language-learning application, and [Livemocha](#), a social community-based language-learning application. Projects:

- Full language-learning engine rewrite from [Sproutcore](#) to [AngularJS](#); reduced network payload and latencies by over 50%, increased ease-of-learning/ease-of-use.
- Password reset/recovery: simplified components to reduce developer maintenance responsibilities by 25%.
- User profile management: streamlined back-office maintenance tasks.
- Partner connections: created application links to 3rd-party partners, increasing visibility by 30%.
- Analytics, using [Mixpanel](#): supported enhanced BI/BA.

Optify

2011 → 2012

Backbone.js, HTML, Javascript, LESS, Mixpanel

UI developer for Optify's *Inbound Marketing* software suite, a [SAAS](#) tool for B2B marketers. Projects:

- Developed a site "Landing Page" editor/publisher, for 100% hands-off customer use.
- Authored and updated Contact Manager and Email Manager tools.
- Designed and built analytics, using [Mixpanel](#) providing 100% more application instrumentation visibility.
- Updated and enhanced UI coding standards document, and overhauled the Javascript library namespace.

Cobalt

2009 → 2011

Lead UI developer on Cobalt's *New Products* team, charged with creating and delivering innovative website products for sale to auto manufacturers and dealers. Projects:

- Authored embedded [Google maps](#) for location pages.
- Built [Facebook](#) and [Twitter](#) publishing and [feed](#) widgets.
- Produced embedded [YouTube](#) player/playlist handler.
- Started front-end unit testing using [jstestdriver](#).

Education

Northwestern University

B.A., Economics