

## EXPERIENCE

## Lead Designer and Frontend Software Engineer   Aptible   May 2014-Present

Aptible (YC W16) is a cloud-based hosting provider built to solve both the technical and administrative requirements of regulated industries, namely health care. As the first employee, I have a large part in designing and engineering all of our products, including a real-time compliance API and dashboard, our cloud management API and dashboard, and also marketing, sales and customer support.

- Designed and developed billing system, including metered/unit billing, subscription billing, and billing management dashboard using Stripe, Ruby on Rails, and Ember.js.
- Automated thousands of manual trainings by integrating a learning management system with authentication and compliance APIs written in Ruby on Rails and Ember.js.
- Engineered system for generating real-time NIST 800-30 risk models using JSON Schema and Ruby on Rails and Ember.js.
- Simplified Docker-based hosting for health care customers by designing and engineering a simple and intuitive Ember.js frontend for the Aptible platform.
- Engineered system for automatic UI generation using custom-built Ember CLI add-ons that parse JSON Schema schemata into fully-validatable UI controls.
- Support customers deploying on Aptible's Docker-based PaaS by helping to write Dockerfiles and applying twelve-factor methodologies to customer apps.

## Lead Designer and Software Engineer   Independent Consultant   June 2010-June 2014

- Improved Facebook's sales process by designing and developing a drag-and-drop video-editing tool using Ember.js, Node.js, Amazon S3, and the Facebook and Animoto APIs.
- Led visual and UX redesign of Compendium, a content marketing suite (now Oracle).
- Brought open source-like collaboration to pharmaceutical asset management at Eli Lilly by leading design and engineering of a git-based asset management system using Angular.js, Ruby, Sinatra, S3, and GitHub API.
- Helped Facebook feature their most popular brand pages by developing a user-contributed content site using Wordpress and PHP.
- Led frontend engineering for two Backbone.js-backed single page applications, helping Salesforce Marketing Cloud launch into the mobile marketing channel.
- Revitalized Intuit's Quicken 2011 desktop experience by improving the visual and UI design.

## Designer and Frontend Software Engineer   Salesforce Marketing Cloud   April 2009-June 2010

- Gathered requirements, developed product vision, and led UI design for an enterprise SaaS product.
- Led UI design and development of Salesforce-based back office ticket system.
- Developed drag-and-drop in-browser document management system using jQuery, AJAX, and C#.

## Frontend Software Engineer   GiveReal   June 2008-February 2009

- Designed and developed Facebook canvas app using Ruby on Rails, FBML, CSS, and Javascript.

## EDUCATION

## A.S. Computer Graphics Technology   Purdue University   May 2008