

# Michael Hamilton

## Software Engineer

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## Experience

### Software Engineer:

Project Ricochet (Present)

- ▶ Worked as a software engineer on an entirely remote, agile team.
- ▶ Participated in a daily scrum and regular sprint planning meetings with clients.
- ▶ Primarily developed applications in Javascript, using tools such as Node, Express, Meteor, React, and MongoDB, with occasional PHP (Drupal) mixed in.
- ▶ Gained some experience with mobile application development (Ionic/Cordova) and release for iOS and Android.
- ▶ Helped to define project requirements and estimates for new projects, as well as for new tickets on existing projects.
- ▶ Met estimates accurately with an overall burn rate of 106%.

### IT Director/Software Developer:

Church of the Nativity (2013-2018, presently contractual)

- ▶ Designed and built custom software solutions for internal and external organization applications.
- ▶ Developed and maintained a number of public facing applications including a capital campaign pledge tool, conference registration system, subscription based content portal, interactive kiosk, and more.
- ▶ Implemented 3rd party API integrations with services such as Stripe, PayPal, MailChimp, Mandrill, SendGrid, MinistryPlatform, Planning Center Online, and more.
- ▶ Built payment/registration systems that securely handled large volumes of financial transactions totaling more than \$500k.
- ▶ Experience leading a small product team with 1 full time developer, 2 interns, a handful of contract developers, and the occasional contract designer.
- ▶ Redesigned and developed organization website which received awards for "Best Use of New Media" and "Best Website".
- ▶ Dev-ops experience deploying applications externally, as well as internally deployed applications hosted on in-house machines.
- ▶ Oversaw IT/AV design and installation during \$15M building expansion.
- ▶ Managed multiple annual budgets totaling more than \$250k.

### Full Stack Developer:

Ignition72 (2013)

- ▶ Contributed to various client projects, primarily using PHP, MySQL, Javascript, jQuery, Bootstrap v3.
- ▶ Developed features for in-house CMS used on client projects.
- ▶ Worked with design, development, and management teams at all stages of project lifecycle to collaborate on project direction.
- ▶ Independently developed client facing project management portal used by entire company to manage client projects.
- ▶ Sound/audio projects including audio for NCUA video game, and misc voiceovers.
- ▶ Participated in client meetings for both new projects, and project reviews.

### Web Developer Intern:

Blue Ocean Ideas (2011-2012)

- ▶ Contributed to a realtime city-wide volunteer signup application.
- ▶ Worked closely with designers to translate PSD based site mockups into functional websites.
- ▶ Developed Wordpress themes for client websites.

## Skills

### Languages

Professional: Javascript (ES5/ES2015), CSS3, HTML5, Pug, Handlebars, Sass, PHP, Ruby, SQL.

Hobby: Python, Elm, Crystal, Assembly...

### Libraries/Frameworks

Express, socket.io, jQuery, Bootstrap (v3/v4), Foundation (5/6), Passport, React, Vue.js, Ember, Meteor, Ionic, and plenty more.

### Other Tools

Bash, Git, Webstorm, Grunt, Gulp, MongoDB, MySQL, Heroku, AWS, Stripe, Mandrill/Sendgrid, Jira, BitBucket, Unix Environments (macOS, Ubuntu), Nginx, Docker, Wordpress, Drupal, Photoshop, Blender.

## Notable Projects

- ▶ **Cookie Crawler**
  - Reports cookies found on a given site.
  - Node.js, Express, MongoDB, puppeteer.js
- ▶ **LiveSlide**
  - Realtime presentation application.
  - Node.js, Express, MongoDB, socket.io, Heroku, Vue.js
- ▶ **RPA**
  - A paid content distribution portal.
  - Node.js, Express, MongoDB, Stripe, MailChimp, Mandrill, Bootstrap, Ruby, AWS, Nginx, Heroku
- ▶ **KioskApp**
  - iPad based kiosk system.
  - Node.js, Express, MongoDB, Stripe, MailChimp, Mandrill, Bootstrap
- ▶ **Conference Registration**
  - Paid event registration system
  - PHP, MySQL, Bootstrap, PayPal, Mandrill
- ▶ **Pledge Tool**
  - Capital campaign credit card pledge system
  - PHP, MySQL, PayPal, Bootstrap
- ▶ **Clipboard**
  - Project management application
  - PHP, MySQL, jQuery

## Avocations

Making Music, Traveling, VR, Flying, Retro Video Games, Low Level Computing, Lighting Design, Late Night CoD with my Wife, Retro Computers, Tattoos, Dogs, and Ducks.