

THOMAS COTHRAN

Software Developer

tmcothran@gmail.com

thomascotthran.github.io

(859) 428-7440

SUMMARY

- **Developer.** Passionate about clean, modular, and functional code. Primary focus is with web applications. Believer in both functional-style programming and TDD. Experience created web applications with Meteor, Node.js, Django, Ruby on Rails, Flask and Wordpress. Familiar with AngularJS and JQuery. Created a Django/Angular web application to visualize soccer data. Prior to full time development was a practicing attorney, and used Python to create a law practice manager, generate legal documents, and optimize workflow.

SKILLS

- **Languages:** Strong in Python and Javascript, some experience with Ruby, Scheme, and Scala.
- **Back End Frameworks:** Strong in Meteor, Django and Jekyll, some experience with Ruby on Rails, Node.js, Flask, Wagtail (a python CMS), and Wordpress.
- **Front End:** React, Angular, Backbone, Baobab, Ramda, JQuery, Bootstrap, Materialize CSS, HTML5 and CSS.
- **Dev tools:** Webpack, Gulp, Vagrant, Git, and Flow Types
- **Agile methodologies:** TDD, Kanban, and A/B Testing.
- **Deployment:** Heroku, Elastic Beanstalk (AWS), CentOS/RHEL, Vagrant, Sandstorm, and HIPAA compliant hosting.
- **Other Tools:** Twilio, Linux (RHEL and Debian-based), VirtualBox, Google Analytics, Google Adwords, OpenVPN, and Vim.

PROJECTS

- **Interhospital Transfers.** An application that facilitates transfers of patients between hospitals. Green field project. Technologies used include Meteor, React, Flow Types, Ramda, and Materialize CSS. Dealt with issues surrounding HIPAA compliant hosting. www.signalhealthpartners.com. Think Kayak for patients.
- **Good Medicine.** A platform where hospitals can post short to medium term jobs for physicians, handles the documentation and verifications physicians need to provide to hospitals, and allows scheduling. Similar to www.nomad.com. Technologies used include Meteor, React, Flow Types, Ramda, and Materialize CSS.
- **Sports science web application.** Created a web application for soccer coaches at the collegiate and professional levels that visualizes player data for coaches. In use at the collegiate and professional level. Created with Django, Angular, Baobab, Bootstrap, Ramda, Flow Types, Gulp, and Webpack. Deployed on AWS.
- **Decision Desk.** Decision Desk is a SaaS handles the student application process for a number of universities. Hired as a consultant to develop complex form logic. Created form logic that allowed forms to have an indefinite number of nested logical conditions governing whether to show or hide fields, panels, or selectables within dropdown fields.

- **Medical Application.** Contracted to clean up a Ruby on Rails application. Fixed models so that database migrations could be created; cleaned up the way JavaScript was being loaded by TurboLinks, worked on getting test suite up to date, upgraded from older version of Rails.
- **Legal document generation for impoverished Kentuckians.** A service from 2014-2016 that helped legal aid organizations by generating legal documents using Django and WeasyPrint.
- **Practice Manager.** Built a practice manager in Django that combines features of a task management system (similar to the Getting Things Done system) and case management.
- **Created and deployed Wordpress sites.** While in law practice, created law firm pages using Wordpress. Used Google Adwords to run advertising campaigns, and A/B tested landing pages.
- **Operated law practice and worked for state government.** Owned and operated law practice. Have hired and managed assistants, and overseen projects ranging from client relations, automated document generation. Previously worked as an analyst for the KY Legislature and as staff attorney for the Fayette Circuit Courts.
- **Online content manager for the *Kentucky Law Journal*.** Oversaw the creation of the *Kentucky Law Journal Online*. Organized conferences to publicize the launch of the *KLJO*. Managed *KLJ* staff.

EDUCATION

- **Awesome Inc. Web Development Boot Camp**
- **University of Kentucky College of Law - Top 15 %**
- **University of Kentucky - B.A. in Philosophy - *Magna Cum Laude***

SELECTED WRITINGS

- [Recursion Made Simple with Roman Numerals](#)
- [How Ventre.Tech uses Ramda.js](#)
- [Haskell's Triangle: Or, More Fun with Recursion](#)