

Sam McDonald

(n.) a software developer who loves Web and Cocoa development. Founder of a profitable startup.

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Skills

Experienced

Objective-C, Cocoa, C, CSS, Ruby, Rails, Git, RSpec, Object Oriented Design, PHP, MySQL, (X)HTML.

Intermediate

Java, Redis, Django, Javascript, C++, App Engine, Cappuccino, Objective-J, Python, JSON, JQuery, Kohana, Memcache, NGINX, Flex, Xilinx and Verilog, Apache, Debian and Ubuntu Linux

Applicable Courses

Calculus I - III
Design of Logic Circuits (EE 280)
Logical Design Lab (EE 281)
Logic / Theory of Computing (CS 375)
Microcomputer Organization (CS 380)
Intro to Embedded Systems (EE 383)
Algorithm Design and Analysis (CS 315)
Intro to Numerical Methods (MA 321)
Independent Study in the Objective-C Plugin Architecture (CS 395)
Intro to Database Systems (CS 405G)
Fundamentals of Programming Languages (CS 450G)
Intro to Operating Systems (CS 470G)
Modern Operating Systems (CS 570)
The Linux Kernel (CS 585G)

Last Updated: 11/26/2011

Education

Graduated May 2010 with a BS in Computer Science from The University of Kentucky.

Work Experience

Software Engineer, WhiteGlove Health; 2011 - Current

WhiteGlove Health provides home health in many states across the US. My responsibilities include working on a Ruby on Rails app that controls everything from patient medical records, to scheduling clinicians, to running the day to day operations of the business. I also work on our iPad app that clinicians use daily to record their visits.

Lead Web Developer, TeamDealerOnline.com; 2010 - 2011

Worked on TeamDealerOnline.com, a PHP/MySQL application for setting up online shopping carts for sporting goods. Improved the infrastructure to be able to handle one million dollars in sales monthly. Helped maintain and improve the application. Developed an iPad app to replace sporting goods catalogs.

Web Developer (Summer Contractor), LifeChurch.tv; Summer 2009

Developed first version of <http://babelwith.me>, a multi-language chat application. Used Python, Google App Engine, Memcache, and JQuery. Learned to write software as a remote contractor. Learned how to scale an application to a large user base.

Co-Founder & Mac Developer, Trimonix; 2007-2008

Started company called Trimonix to develop and sell Macintosh software. Created Countdown Maker which did \$20,000 in sales in its first year. Used Cocoa, Objective-C, and Quartz Composer. Store utilized PHP, MySQL, and Kohana. All Trimonix IP has been sold to Tasteful Works. To see our app visit <http://tastefulworks.com/countdown-maker>.

Other Experience

Hacker News Paper

Developed an iOS application to read hacker news. More information can be found at <http://hackernewspaper.com>. App launched reaching 199 in top paid and 5 in the top paid news category. It currently holds a 5 star average review (at time of update). Application includes an api component built with Ruby, Rails, and Redis.

NASA

Participated on a NASA microgravity team. Created a rig to test syringes in zero gravity, and then conducted tests on a zero gravity aircraft. Our results are currently being used to design syringes that will be sent to the International Space Station in 2013.

UK Class List

Created <http://ukclasslist.com> (PHP / MySQL) with friends as a Senior Design Project to ease the process of registering for classes at UK. Influenced changes to UK's system.

Open Source

Contributed very small patches to the Google Chromium and Cappuccino projects.