

Dan Luchi

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About Me

I build web and mobile apps. I lead teams and mentor junior developers. I always leave the campground cleaner than I found it. I'm a lot of fun to work with.

Technology

Specialties:	Ruby, Rails, Coffeescript, RubyMotion, AngularJS
Other skills:	PostgreSQL, MySQL, Heroku, DevOps
Interested in:	Clojure, Ember.js, Hybrid Apps, Elixir, Data Science

Professional Experience

[Autodesk](#) - [BIM 360 Field](#) Construction Management Software, December 2014 - Present

Principle Software Engineer, Boston, MA

- Extremely commercially successful product (\$30M in revenue in 2014) being crushed by technical debt.
- I lead the document management team, a team of three developers

[Terrible Labs](#) - Boutique software consulting agency (acquired by Autodesk), December 2013 - November 2014

Senior Software Developer, Boston, MA

- [QuitNet](#): Architected and built the new mobile and web app, a hybrid web/mobile app with an [AngularJS](#) frontend.
- [CybexFit](#): an iPad app to interact with [Cybex Fitness Equipment](#)
- [TicketZen](#): an iOS/Android app to pay parking tickets, built with [RubyMotion](#)
- [Yesware](#): Replaced custom billing system using [Stripe](#) by integrating their backend system with [Zuora](#).

[District Management Council](#), January 2013 - November 2013

Senior Software Developer, Boston, MA

- Overhauled large portions of the main application, a scheduling tool for special education services, to increase practitioner satisfaction
- Greatly improved test coverage at the controller and integration levels
- Scripted creation of staging servers and cloning databases to and from servers to increase team productivity
- Led improvement of team processes through weekly retrospectives

[Rafter.com](#), April 2011 - September 2012

Ruby on Rails / Backbone.js Developer, San Mateo, CA

- Primary developer for the entire suite of Rafter Retail Solutions to take textbook rentals into campus bookstores, projects included: point of sale application in Backbone.js / Coffeescript, iOS wrapper for that app that added barcode scanning and card swiping from [Linea Pro](#) and APIs to integrate with [Sequoia Systems](#).
- Created a simple, powerful A/B testing framework that married variations, visitor_ids and all existing data on customer behavior and conversion rates in easily digestible graphs for the marketing team.

[Intel](#) - Graphics and High Throughput Computing, May 2009 - Mar 2011

Software Engineer (C/C++), Santa Clara, CA

- Developed hardware specific modifications to random instruction testing tool for memory and coherency
- Drove improvements of tool release and automated testing environments which reduced workload from 20 hours per week to 2 hours per week
- Introduced the use of hardware performance monitors into volume validation infrastructure and as a tool for debugging complex failures
- Scrum Master for team's adoption of Scrum Agile practices

[Intel](#) - Rotation Engineer Program, April 2008 - April 2009

- Sales and Marketing Executive Office - research on industry trends and keynote content development
- Microprocessor Research Division - wrote processor simulator in C++ as infrastructure for prefetching contest
- Integrated Circuit Design for Multimedia SoC (System on a Chip)

Education

Bachelor of Science in Engineering - Electrical Engineering, 2007

University of Michigan College of Engineering, Ann Arbor, MI

Presentations

[iOS for the Web Developer](#) - Burlington Ruby Conference, August 2014

[Long Running Feature Branches and Large Pull Requests \(why they're bad\)](#) - January 2015