**Objective:**

Work with awesome people on products and processes that better our world.

**Experience:**

**CryoZone February, 2013 – Present**

**CoFounder and CTO**

Creating a world-class whole body cryotherapy experience

* Create monthly reports of financials for other partners and investors to measure profitability by store, product, plan and member
* Investigate, execute and learn from different email, ad, social, and print campaigns
* Wrote internal applications in ruby and ruby on rails for slicing and dicing customer data, our internal use of nitrogen, and a scheduling integration with our CRM
* integrated multiple systems, migrated systems when necessary
* manage and coordinate with team of over 20 stakeholders.

**Environment:** Startup from ground up, linux, bootstrap, ruby on rails, php, javascript, raphael.js,

**KarmaGrove.com February, 2013 – Present**

**Founder**

January 2014 - Present

* Wrote marketplace application alone in a week in rails, jquery, and bootstrap
* User creation, refer a friend, hold money in escrow and pay monthly, ssl
* Full featured marketplace application that allows creation of storefront and POS on phone for events and small business owners
* This is a side project that has around 5 active users at any given time and is used by myself for billing for consulting work, running online specials for cryozone with a single page POS, and giving a portion to charity.
* Consulting work includes: Working on circlingeurope, delivering SalesForce Apex project for a small healthcare company, and developing features for language learning application ginko memory.

**Environment:** Rails, JS, Salesforce Apex, Stripe, Heroku

**Picarro February, 2013 – November, 2013**

**Senior Software Engineer**

Bringing transparency to methane emissions in the natural gas industry and providing technology for molecular spectroscopy

* Created new product using node.js, jquery, Google maps, and leaflet to map and share methane emissions
* Championed use of git and pivotal tracker to make team agile, accountable, and current
* Wrote python scripts for exporting and importing of databases in mongo using our API
* Wrote chef recipes for use with vagrant to take setup time of environment from multiple days to minutes and zero chance of missed steps
* Created new API endpoints for node.js application (p-cubed) for mapping of methane emissions on Google maps
* Troubleshot in the field testing new products and taking feedback from scientists to implement features

**Environment:** Python, MongoDB, UNIX, Ubuntu, node.js, JavaScript, JQuery, Chef, Amazon, CLI, Agile.

**Empowered.com October, 2011 – December, 2012**

**Software Engineer**

Empowering students to learn useful skills from a university using great technology. I am the technical owner of our fork of the open source application canvas-lms.

* Utilized Ruby on Rails 2.3 plugin background\_job to create a video transcoding solution for web recording and iPad display
* Configuration management and system automation using Ruby, Chef and Amazon Web Services (AWS) to scale with grace
* Realized need for better local set up process; developed vagrant and Chef-solo strategy for minimizing setup time across multiple services
* Mentored multiple fellow employees in engineering and business intelligence on using Ruby for scripts to work more effectively with web services
* Wrote JavaScript/Jquery to develop features in the Ruby on Rails application
* Wrote object oriented PHP and MongoDB to integrate a Ruby on Rails application with an iPad application

**Environment:** MySQL, MongoDB, UNIX, Ubuntu, Ruby on Rails 2.3/3.0, PHP, JavaScript, JQuery, Chef, Amazon, CLI, Agile.

**Devbootcamp.com June, 2012 - Current**

**Mentor**

Dev boot camp is an intensive 10 week course meant to take someone from very little programming skill to world class beginner.

* Mentored two protégés learning to become Ruby on Rails developers.
* Provided assistance in understanding data types, core classes, and other features of Ruby and JavaScript
* Pair programmed, showed how to write unit tests, and taught basic UNIX 101

**Environment:** MySQL, UNIX, Linux, Ruby on Rails 3.0, JavaScript, Postgres, OSX, Agile, Pair Programming

**Demosphere.com July 2009 - September 2011**

**Web developer**

Created applications empowering coaches, players, and parents to easily manage sports organizations.

* Developed multiple Sinatra applications and JavaScript data driven pages.
* Developed node.js file upload application for creating emails with attachments in the browser
* Innovated CLI Ruby applications and Cron tasks for keeping our unique infrastructure running

**Environment:** Firebird, Sinatra, JavaScript, Node.js, legacy templating language

**Financial Literacy Foundation Spring 2008 - Summer 2009**

**Teaching financial literacy courses in Washington, DC and developing the website.**

I began as a volunteer and later became teacher, web developer, and curriculum curator

* Designed, promoted, and conducted workshops for teens and young adults.
* Taught economics & financial literacy at SEED School DC for one year.
* Developed a Rails 1.2 app with one other person to support assessments, attendance, and more.

**Environment:** MySQL, Ruby on Rails 1.x

**Education:**

**George Washington University**

**BBA Finance & ISTM (2004-2008)**

**MS Information Systems Development (2008-2009)**

Multiple Linear Regression, Relational Database Management, Machine Learning