



# Kelly Becker-Neuding

Generalist Full-Stack Software Engineer  
Development Oriented Operations Engineer  
Service Oriented Software/Operations Architect

<b>Address</b>	45 Mayfield Ave. Daly City, CA 94015
<b>Email</b>	kbecker@kellybecker.me
<b>Cell Phone</b>	(415) 871 - 3657
<b>Website</b>	<a href="http://kellybecker.me">http://kellybecker.me</a>
<b>Blog</b>	<a href="http://objectiveoriented.com">http://objectiveoriented.com</a>
<b>GitHub</b>	<a href="http://github.com/KellyLSB">http://github.com/KellyLSB</a>
<b>LinkedIn</b>	<a href="http://rain.kellybecker.me/6l4w">http://rain.kellybecker.me/6l4w</a>
<b>Launchpad</b>	<a href="http://launchpad.net/~kellylsb">http://launchpad.net/~kellylsb</a>

## Professional Summary / Cover

I am a hyperactive software genius!

Over the past 6 years in the profession, I have had the chance to work on everything from wiring cable at layer 1 all the way up to building applications at layer 7. While I do claim the title of "genius" I do not use the default interpretation. In my life experience I have noticed many believe genius' are smart while in fact it is about intelligence. I cannot claim to know everything but I will claim that I can learn anything at a highly accelerated rate.

Growing up with untreated ADHD caused me to develop some coping mechanisms; software was a haven from the overwhelming world around me. This flaw of mine in the everyday world has since turned into a giant merit in the software industry. I always strive to architect, build, provision, code and deploy in the most optimal way within the bounds of my knowledge. And physics, of course. Though if I can do better and there is time I always try to build the best and eliminate technical debt on every layer.

Since beginning treatment my ability has skyrocketed; I try to read a new technical article on a daily basis as well as architect or work on a new idea. I also have become a lot more aware of myself and I have been working to turn each flaw into a new merit. The road has been tough and I look to my career and the systems I work with to help me learn organically, through my day-to-day life. I build meta concepts about communication and the people I interact with to help me be a better contributor to society whilst understanding the world better.

I live to code. If my skills and my person sound intriguing then I would love to talk with you.

My long term 10 year goal is to accrue enough experience and connections to start and run my own company.

## Quick Contents

Professional Summary / Cover.....1

Philosophy.....2

Work Experience.....3

Languages and Technologies.....?

Understanding The Skill and  
Technology Clouds.....?

Notable projects I am proud of:

- A custom Linux Kernel built for the Acer Aspire One AO521 to support the ACPI peripherals properly (2010)
- The EvolutionSDK Modular PHP Framework along with my good friends and colleagues [Nathanael Ferrero](http://nateferrero.com/) (<http://nateferrero.com/>) and [David Boskovic](http://www.david.gs) (<http://www.david.gs>) *at time of writing David's site was unroutable* (2011)
- Full PCI Compliance passing a [Trustwave](https://www.trustwave.com) (<https://www.trustwave.com>) Intusion Scan for financial information with Red Hat Enterprise Linux 5 on a Rack Space Hosted Private Network with a DMZ (2011)
- The Rails "Gemification" process which takes large components of monolithic Rails apps and turns them into mountable plugins that can run as part of an existing application or standalone with communication through dRB or a Restful API (2013 - Continuous)
- Docker.IO Service Oritented Architecture blue prints with Dynamic DNS for service discovery (2013 - Continuous).

## Philosophy

---

No one is perfect and everyone has baggage; this is something no one in our world can deny. I believe that honesty is the best policy. I'm a firm believer in our freedoms, especially the freedom of speech; however, with all freedoms they must be exercised in moderation. Because of this and my placement of importance on honesty, I will always be upfront and direct because there is a reason for everything and we are all human we make mistakes and sometimes do not think things through. This happens both in the scope of personal issues and the importance we place on our careers. I know that was a long lead in for my primary philosophy.

“... Because this life is yours. Some of it was given to you, the rest you make yourself.”

This statement paints a beautiful picture of how I view life and my career. I'm not perfect both due to situational circumstances of my past and present but I have the power to change and be different.

# Work Experience

Jiff, Inc2013 - 2014

TitleSr. Software Engineer  
LocationPalo Alto, CA  
DurationSeptember 2013 - April 2014

## Details

At Jiff I was responsible for the Rails Platform. I was part of a team of 4 total engineers; made of up of our Lead Engineer, another Sr. Engineer, a Jr. Engineer and Me.

We were constantly working on making our Ruby backend to be more responsive and more optimized. Our long term goal was to reorganize our platform code to be more fit for a Service Oriented Architecture. We started by optimizing our pain points that used heavy queries, duplicated code and overly complex data models. Then we spent time determining which components were specific to services we offered; then the hacking began and I mean literal hacking we cut out close to 75% of the code base and we still had more to go when I left.

One of the solutions we were using to migrate to SOA so that our services could run independently of the platform was called "gemification". While the idea was the team's, I was given the honor to come up with the architecture and implementation process; which was subjected to a through peer review by the Platform, API and QA teams. This process included a write up, prototype and benchmark. I then helped guide the each team member in ensuring that we were consistent with our decided plan and did not deviate without a proper meeting; a common issue at Jiff.

Along side this plan, I proposed a PaaS server architecture using Amazon VPC, EC2 and Docker.IO with Bind9 Dynamic DNS for service discovery. There was much team backing and there was even time that was allocated to the implementation process as well as a

## Technologies

Ruby / Ruby on RailsProprietary Gems  
Open Sourced GemsRestful JSONSidekiq  
RspecCapistranoBash / SHPuppet  
SolrGitHubCircle CICode Climate  
Airbrake.ioGraylog 2Amazon AWS  
Amazon AWS - VPCAmazon AWS - EC2  
Amazon AWS - ELBAmazon AWS - SES  
Amazon AWS - AMIAmazon AWS - EBS  
Amazon AWS - S3Ubuntu 12.04 LTS  
Docker.ioBind9IRCD2 (Admin)  
StripeRedisMySQLMore...

working prototype. Unfortunately our new VP of Engineering had cancelled the project before it's completion.

Along side gemification I was a huge advocate for taking non-company critical code and releasing it open source. We released 2 gems during my duration at Jiff, unfortunately there was not enough time to properly document them to my satisfaction. Upon being let go I forked them and plan to continue development on them.

---

## Projects

- Gemification - Details Soon
- SOA Migration - Details Soon
- Docker.IO PaaS Infrastructure - Details Soon
- [Polytag \(http://github.com/KellySB/Polytag\)](http://github.com/KellySB/Polytag) - Details Soon
- [Multitype \(http://github.com/KellySB/Multitype\)](http://github.com/KellySB/Multitype) - Details Soon
- Dynamic CSV Validator - Details Soon

Youmacon

---

A.K.A.	Defying Conventions
Location	Detroit, MI Remote
Titles	Registration Software Architect Website Server Administrator Director of Pre-Registration Assistant to the Chairman
Duration	June 2009 - November 2013

Rainforest QA

---

A.K.A.	Cldrdr, Inc
Location	SoMa, San Francisco, CA
Title	Inapplicable

**Duration**

August 2013 - September 2013

---

Triggitt Inc

---

**Location**

Mission, San Francisco, CA

**Title**

General Support / DevOps Engineer

**Duration**

January 2013 - July 2013

---

Tioki

---

**A.K.A.**

Demo Lesson, Inc

**Location**

Lake Merritt, Oakland, CA

**Title**

Full Stack Software Engineer

**Duration**

July 2012 - January 2013

---

Momentum OS, Inc

---

**Location**Remote (2010 - 2012)  
Los Angeles, CA (Nov, 2011)  
Colorado Springs, CO (2012)**Title**

Full Stack Software Engineer

**Duration**

June 2010 - July 2012

---

Verschoyle Innovation Corp

---

**Location**

Remote

**Title**

PHP Contractor

**Duration**

January 2010 - June 2011

---

The World Steam Expo

---

**A.K.A.**

Defying Conventions

**Location**Novi, MI  
Remote

<b>Titles</b>	Registration Software Architect
	Website Server Administrator
	Director of Pre-Registration
	Assistant to the Chairman
<b>Duration</b>	March 2009 - May 2011

Phoenix EV Film Festivals

---

<b>Location</b>	Grand Rapids, MI
	Remote
<b>Title</b>	Webmaster
<b>Duration</b>	June 2011 - June 2011

# Language and Technology Clouds

---

## Languages

---

bash/sh puppet dockerfile sql  
ruby php lhtml node.js  
javascript coffeescript less-css  
sass css html python elixir  
go-lang clojure c assembly

## Operating Systems

---

mac-os-x ubuntu debian  
fedora centos  
redhat-enterprise-linux windows

## Caches

---

redis memcache

## Frameworks and Libraries

---

ruby/rails ruby/padrino  
ruby/sinatra ruby/active-record  
ruby/active-support ruby/net-ssh  
ruby/net-sftp ruby/thread  
node/express  
html-css/zurb-foundation  
html-css/bootstrap elixir/ecto  
php/evolutionsdk  
php/codeignitor php/wordpress  
php/joomla

## SQL Databases

---

mysql postgres sqlite aws-rds  
hive

## NoSQL Databases

---

mongodb couchbase hadoop

## Other Databases

---

cassandra

## How To Read My Skill / Technology Clouds

---

I decided to use skill clouds to show my expertise and use of a specific technology. I felt that this would help the things I love and have worked with frequently "pop-out" when looking over my resume at a glimpse. There are 5 categories though depending on the section you are viewing they should have different interpretations. Don't worry they are almost the same.

### Work Experience Technology Cloud Map

The technology clouds under work experience show the technologies I used often.

1. Red, Very Small Font: Technology was present; no direct interaction.
2. Grey, Small Font: Technology was present; extremely little interaction.
3. Black, Normal Sized Font: Technology was present; little interaction.
4. Blue, Normal Sized Font: Technology was present; average interaction.
5. Violet, Large Bold Font: Technology was present; major interaction / ownership.

### Skill Cloud Map

The technology clouds under work experience show the technologies I used often.

1. Red, Very Small Font: Known; no interest.
2. Grey, Small Font: Amateur; less than 25% expertise.
3. Black, Normal Sized Font: Professional; greater than 25% expertise and less than 75% expertise.
4. Blue, Normal Sized Font: Highly Professional; Greater than 75% expertise.
5. Violet, Large Bold Font: Almost Expert; Around ~99.9909% expertise.