

Kevin Musselman
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<https://github.com/frenzylabs>

EDUCATION

Bachelor's degree in Computer Science, Clemson University, Clemson SC.

SKILL SET

Skills	Years
Linux	15
Kubernetes	3
Git	10
Docker	6
Chef / Ansible / Terraform	1
Ruby	6
C and C++	6
Python	5
Elixir	2

JOB EXPERIENCE

SoulCycle, Charlotte, NC March 2020 – June 2020

- As lead architect, I helped design a micro-service architecture as well as developed a foundation to move from legacy services

Skafos LLC, Charlottesville, VA September 2017 – October 2019

- I helped design and build a continuous build system for machine learning models.
Responsible for setting up services such as: Nginx, RabbitMQ HA Cluster, Spark Cluster, and Kubernetes Autoscaler.
- Designed and built the machine learning model delivery system
Created the push notification service using Elixir
Built the iOS swift framework to handle delivery of CoreML models in real time for apps to use
Built multiple iOS apps for demonstrating different coreml models (object detection, image classification, etc)

WeddingWire Inc, Chevy Chase, MD February 2016 – August 2017

- Created an authentication system using OAuth2 for their web, iOS, and Android apps
- Built the user messaging system using Ruby on Rails with React.
 - Allowed for each user to have their own email address.
 - Parsed all incoming emails using Mailgun and stored it in Postgres
- Redesigned and built their iOS app to be Native using Swift

MyClassicGarage, Charlotte, NC July 2014 – October 2014

- Created a single sign on authentication and authorization platform with OAuth2 using Ruby on Rails.

Kyck, Charlotte, NC January 2012 – September 2014

- As lead mobile developer, I was responsible for building a complex social networking application to be used in conjunction with our website application.
- Helped to steer the direction and implementation of the web services
- As the devops guy I set up a scalable production environment using nginx, apache, torquebox, postgresql and orientdb.

Rothmans, Benson & Hedges Inc., Toronto, Ontario, Canada July 2011 – December 2011

- Built their location based iPhone app
- App allows users to find all the stores closest to them that carries the products based on their search criteria

Belltag, Atlanta, GA May 2011 – December 2011

- Senior Developer working on all aspects of client development
- Developed mobile application for iPhone and Android
- Used lex/yacc/C to build a natural language date parser.

Wells Fargo Investments, Charlotte, NC February 2011 – May 2011

- Senior Javascript Engineer
- Built and Maintained tools for their trading platform
- Worked with a custom JS framework based on Yahoo's UI framework (YUI)

Lowe's Home Improvement, Mooresville, NC July 2010 – January 2011

- User experience design analyst and senior front-end developer
- Responsible for designing and enhancing the user interface to meet strategic sales objectives

Yahoo Inc, Atlanta, GA February 2010 – July 2010

- Used PHP, MySQL and YUI to develop a sales pipeline platform to allow Yahoo to manage their advertisers.
- System allowed for creating and keeping track of campaigns that were sold to advertisers.
- Responsible for deploying the code to the production environment using subversion.

Creator and Contributor

Layerkeep (<https://layerkeep.com>)

- Designed and Created a Platform for 3D print management
- Setup microservice architecture on a Kubernetes Cluster
- Created a Ceph Filesystem Cluster that allows for the microservices to mount a ReadWriteMany volume
- Ruby on Rails API backed by Git with Smart Http access
- Built the Slicer Services (CuraEngine and Slic3r) using Elixir

Ancilla (<https://ancilla.app>)

- Created software to manage and control your 3D printers and cameras.
- Uses Python, OpenCV and ZeroMQ

Pluck (<https://pluck.io>)

- A search tool for finding 3D models and built using Ruby on Rails.
- Built cron jobs to pull data from thingiverse to store in Postgres and index it in Elasticsearch

Filament (<https://apps.apple.com/us/app/filament-for-thingiverse/id1459150490>)

- Created iOS app to find and discover 3D models to print.
- Uses Swift, CoreData and the Thingiverse API

AmqpHive (https://github.com/kmussel/amqp_hive)

- A high availability amqp connection/consumer manager using Swarm written in Elixir.

Moment (<https://github.com/momentlib>)

- Created a Natural Language Date Parser using Lex, Yacc, and C
- Created the Swift Library/Framework and Ruby Gem wrapping the Data Parser

Kincurrent (<https://github.com/kmussel/kincurrentcontainer>)

- A social networking api using Sinatra, Orientdb, Postgresql, Rabbitmq, and Torquebox
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