

Kunal Shah

Product focused software engineer

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SELECT EXPERIENCE

Swill, NYC — *Engineer*

June 2016 - Present

I built an inventory pipeline which normalizes data from thousands of point of sale systems into a single real time stream of product inventory for our app to consume. My approach also involved information retrieval and extraction leveraging NLP libraries and a CRF Classifier which I trained.

kunalashah.com, Brooklyn — *Engineer*

June 2015 - Present

I've offered my services as a full stack engineer to select clients over the past few years. Services typically include researching, architecting, and building whole systems from development to deployment or implementing a single major feature build. I led Vive.co as temporary CTO, helped ImagineEasy get acquired by Chegg, and EnhancedMood prototype their app for funding.

ShortInsider LLC, NYC — *CTO*

June 2012 - Present

Started a small partnership which collects, normalizes, audits, aggregates, and analyzes short interest disclosure data filed with public regulators across the European Union. We provide high quality real time and daily feeds to our clients.

Urtak, NYC — *Product / Engineering*

July 2011 - April 2012

Came back to NYC to join Urtak before we joined the TechStars NYC program. Built tools to automatically analyze our data, dispatch reports as a result, and an API to offer it to the public as a mineable data set.

drop.io, Brooklyn — *Systems Engineer*

February 2010 - November 2010 (acquired by facebook)

Brought developer operations and proper release management to a fast moving startup. Introduced Continuous Integration, repeatable builds for all three environments, and automated infrastructure provisioning. Built tools to allow for introspection into our evented job queue.

The Usual Stack

Ruby, Javascript, some Clojure and Python, a bit of C ES6/7 w/Babel & Webpack
Postgresql, redis, memcache
React/Redux/Flow/GraphQL
Rails, Express/Node
Sidekiq, RabbitMQ
NGINX, puma, haproxy, pm2
OpenNLTK, sklearn

Interests

Functional Programming
Cycle Touring
Backpacking
Gardening
Cooking
History

Digital Pulp, NYC — Developer

July 2008 - December 2009

Junior Developer role, learned more Ruby, agency design process. Built several large scale content management systems including the Communications of the Association for Computing Machinery (CACM).

EDUCATION

Polytechnic Institute of NYU, Brooklyn — BS Chemistry

August 2002 - June 2006

Biomedical sciences concentration. Research assistant for three years during undergraduate studies. Researched nanoscale drug delivery using engineered proteins as delivery vectors. Designed experiments and performed all manner of molecular biology techniques including cloning, culturing, expression, purification, spectroscopy, kinetics and fluorescence studies.

Awarded Simeon Gang Excellence in Biotechnology Award and had my work presented at the American Chemical Society National Conference.

PROJECTS

Every Single Bike — *everysingle.bike* (work in progress)

After completing Andrew Ng's Machine Learning course I wanted to curate a bicycle geometry data set and use it to power a collaborative filtering algorithm for bicycle recommendations to users. I launched a public bicycle database as a result. Uses Octave (GNU), React, Redux, Ruby. Work in Progress, user generated content collection needs to be exposed.

Mail2FrontMatter — github.com/whistlerbrk/Mail2FrontMatter

Mail2FrontMatter brings email-in back to statically generated websites. M2FM has a plugin architecture for extensibility and comes stock with useful preprocessors which can replace links with responsive embeddings (e.g. youtube links->videos), transform hashtags into blog tags, process photo attachments, etc. Hooks into git for persistence and works with middleman and Jekyll. MIT licensed.

Salt to Taste — addsalttotaste.com

Salt To Taste was a collaborative cookbook which uses a git-like system to allow users to edit and branch content to their liking. Upvoting edits places a user on a new branch with those edits included. The default branch is a blend of popular and edits from branches the user may like based off of prior likes and context (dietary restrictions).

