Web Development

Basic Front End

- HTML/CSS
- Javascript Fundamentals
- Javascript is weird and awesome
- React
- Query

Responsive Design with CSS

- Precompilers: SASS / LESS / Stylus
- CSS Frameworks: Foundation / Bootstrap

Front End Development

- Frameworks
  - Ember.js
  - Vue.js
  - Angular.js
  - Clojurescript
  - React.js
  - Redux
  - Mobx
  - Flux
  - Relay
  - create-react-app
  - GraphQL
- Testing
  - Jasmine
  - Mocha
  - Karma
  - enzyme (testing react)

Front End Build Tools

- Task Runners: Gulp / Grunt

- Dependency Management
  - Browserify
  - Webpack

CSS

- CSS Tools
  - Foundation
  - Bootstrap

HTML

Javascript Fundamentals

- jQuery
- Javascript is weird and awesome

Modular JS

Text Editors

- Sublime Text
- Atom.io
- Brackets.io

I keep Coupons & Deals updated here

No matter which route you take

RESTful Web Services / GET POST PUT DELETE

FTP & Web Host Setup

hostgator

Learn how client & server talk to each other

Basic Terminal Usage

Basic SSH

Github Basics

React.js

Back End

Things to Learn

- API’s / RESTful Services
- Security

Authorization/Authentication

- OAuth2
- JSON WebToken

Deploying your app (flightplan: nodejs, Fabric: python, Capistrano: ruby)

- SOA (Service Oriented Architecture) / Microservices
- websocket

ORM/Data Structure

- Unit/Functional Testing for Chosen Technology

DevOps

- Web Platforms
- AWS
- Heroku
- Digital Ocean
- Azure

- Server Management (configuration management or CM)
  - Salt
  - Puppet
  - Chef
  - Ansible

- Linux
- Docker

- Continuous Testing & Deployment
  - Jenkins (on your own hardware)
  - SemaphoreCI
  - CircleCI
  - Codeship

(used for containerized applications and databases)

- Docker

UI-Driven:

- Rancher, Docker Cloud, Docker Datacenter

Small Scale: Docker Swarm, Docker 1.12 swarm

Big Scale: Kubernetes, Mesos

Vagrant (local environment development)

Functional Languages

- Haskell
- Scala
- Clojure
- Elixir

Scripting Languages

- Node.js
- express
- Python (django, flask)
- Ruby (Ruby on Rails, Sinatra)
- PHP (Laravel, Symfony2, Lumen)

High-Performance/Compiled Languages

- C#
- Go / GoLang
- Rust

Functional Languages

Java

Relational

- MySQL, PostgreSQL

- Document

- MongoDB, Couchbase, RethinkDB

Search Engine

- ElasticSearch, Solr

- Redis / sessions / caching

- In-Memory Database (Redis)

Apache (Server)

Nginx (Server)

RESTful Web Services / GET POST PUT DELETE

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