coggle
made for free at coggle.it

Web Development

- No Matter Which Route You Take
  - FTP & Web Host Setup (hostgator)
  - Basic Terminal Usage
  - Basic SSH
  - Github Basics
  - Learn How Client & Server Talk To Each Other
  - RESTful Web Services / GET POST PUT DELETE requests
- I Keep Coupons & Deals updated here
- Basic Front End
  - HTML
  - CSS
  - Javascript Fundamentals
    - Modular Javascript
    - Querying, Selecting, working with DOM
    - AJAX with Axios
    - jQuery (optional, not required)
  - Front End Developer
    - CSS Tools & Skills
      - CSS Animation
      - Flexbox
      - Precompilers: SASS / LESS / Stylus
      - CSS Frameworks: Bootstrap / Foundation / Bourbon w Neat / Gumby / Skeleton
      - Responsive Design with CSS (media queries)
      - Responsive Images
    - Frond End Build Tools
      - Task Runners
        - Gulp
        - Grunt
      - Dependency Management
        - Webpack
        - Browserify
        - Require.js / AMD
      - Bower/package management
      - Yeoman.io
      - Front-End Performance
    - JS Skills
      - ES6 (2015/16/17)
      - Service Workers
      - Functional Programming
      - WebAssembly
    - MV* Javascript Frameworks
      - React.js / Flux
        - Flux (small, simple)
        - Redux (more complex data)
        - Relay (Big, complex)
        - GraphQL
      - Angular.js
      - Ember.js
      - Vue
      - Backbone.js
      - Unit Testing
        - Mocha
        - Jasmine
        - Karma
- Back End
  - Learn Something Fun
    - Elixir (Erlang VM)
    - Haskell
    - Rust (new low-level)
    - Clojure
  - Unit/Functional Testing for Chosen Technology
  - C# (.net)
  - Python (Django)
  - Java (Spring, Grails, Play)
  - Scala
  - GoLang
  - PHP (Laravel, Lumen, Nette, CodeIgniter, PHPixie)
  - Node.js (Express.js / Hapi.js / Koa.js / Sails.js)
  - Ruby (Ruby on Rails, Sinatra)
  - Databases
    - Caching
      - Nginx (Server)
      - Apache (Server)
      - Database (Redis)
      - In-Memory
    - MySQL
    - RethinkDB
    - PostgreSQL
    - Cassandra
    - ElasticSearch
    - Redis / sessions / caching
  - Things to Learn
    - API's / RESTful Services
    - Security
    - Authorization/Authentication
      - OAUTH
      - JSON WebToken
    - websockets
    - Microservices
    - Deploying your app
  - Dev Ops
    - Continuous Testing & Deployment
      - CircleCI
      - Jenkins
      - TravisCI
    - Web Platforms
      - Digital Ocean
      - Amazon Web Services
      - Heroku
      - Azure
      - Google App Engine
    - Server Management (configuration management or CM)
      - Salt
      - Puppet
      - Chef
      - Ansible
      - Linux
      - Docker
    - Dev Ops Workflows
      - Vagrant (local environment developmet)
      - Capistrano (deployment with Ruby)
      - Fabric (deployment python based)
      - Flightplan (deployment node based)
      - Deployment Strategies
    - Docker (containerized applications and databases)
      - Docker Cloud
      - Docker Datacenter
      - Rancher
      - Kubernetes
      - CoreOS
      - Mesosphere