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Title: ADD SOME SPRING TO YOUR FRONT-END STEP!!!

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Talk is:

<https://www.youtube.com/watch?v=FEs2jgZBaQA>

Page performance is like black magic

To fix:

* Set a goal
  + ~1s page load-
  + Speed index of less then 1k
  + Max 200ms server responce time
* Text your site
  + <http://www.webpagetest.org/>
  + Google PageSpeed Insights
* Slowness is generated little by little.
  + Every un-optimised image,
  + Every bloaty css or js library
  + Just adds to your slugishness
* Use your tools
  + Grunt/gulp
    - minimize your code!
    - optimize your images!
* Remove un-used CSS
  + Bootstrap can be over kill! Most people
  + Most projects I am on that use bootstrap have ~85% unused or overwritten bootstrap code
* UnCSS
  + Removes unused CSS
  + There is a grunt and gulp task to help with this.
    - grunt-uncss
    - gulp-uncss
* This is great for projects using bootstrap
* CSS Regression testing
  + helpfull for end to end testing
  + Tools- Will show visual percentage changed, useful during optimization stages to make sure you didn’t blow up all your stuff
    - PhantomJS — Scriptable headless browser
    - CasperJS — Navigation scripting & caching
    - PhantomCSS — Screenshot and comparison library
* Optimize Critical Path CSS
  + Get content shown AS SOON AS POSSIBLE!!
* Tools npm install grunt-perfbudget
  + PageSpeedInsights CLI — psi (with grunt pluggin)
  + phantoms CLI (with grunt pluggin)
  + Parker — CSS anilytics
* style stats