



# JavaScript Build Automation with Gulp JS

## Course Introduction



John Papa

@john\_papa | [www.johnpapa.net](http://www.johnpapa.net)



# JS

## Building JavaScript Apps

# What Else is There Besides Writing Code?



Minification

Concatenation

Vendor prefixes

Less to CSS compilation

Optimizing 3<sup>rd</sup> party and custom code

Injecting files into HTML

File revisions and versioning

Caching Angular templates

Testing

Code analysis



# *Gulp*

Automate and enhance your workflow

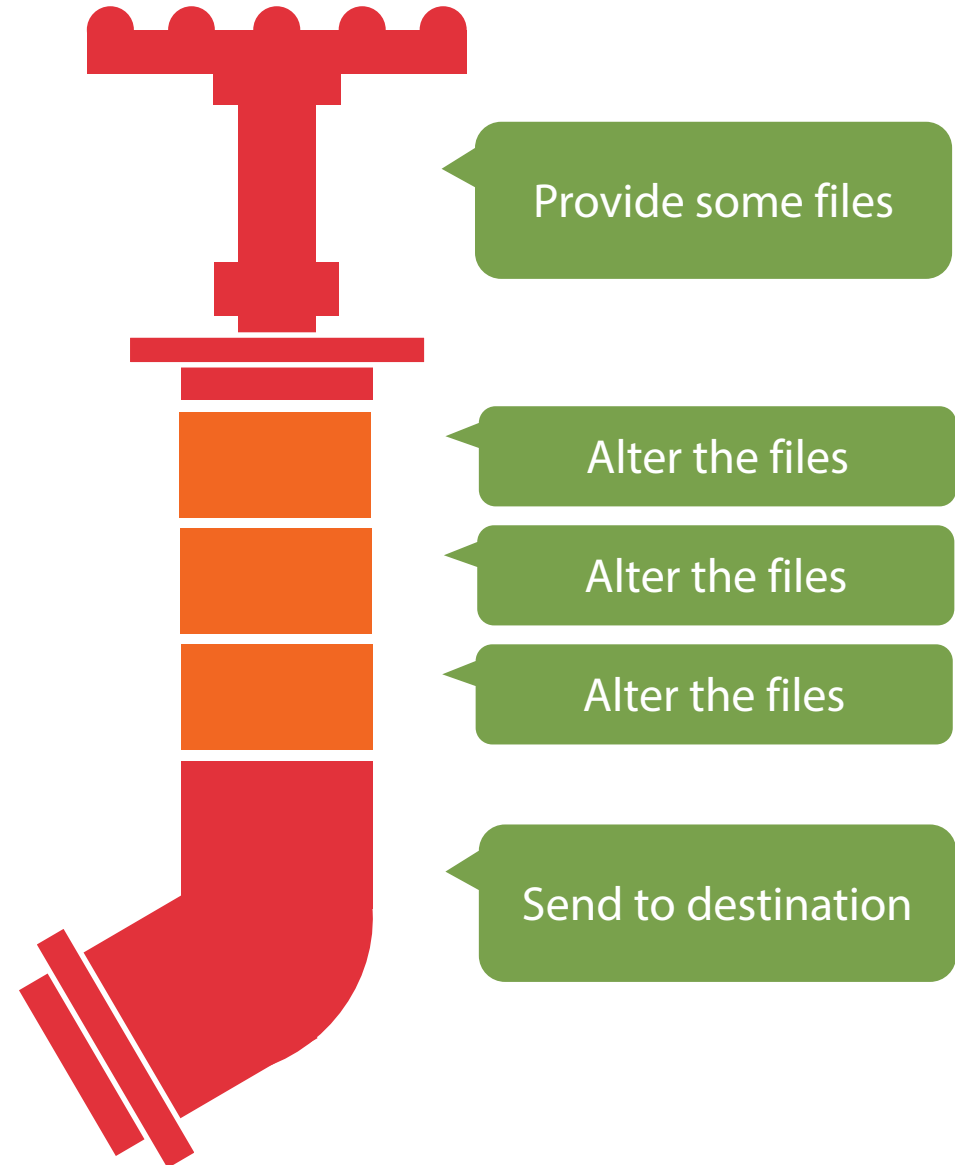
# Gulp Makes You More Efficient

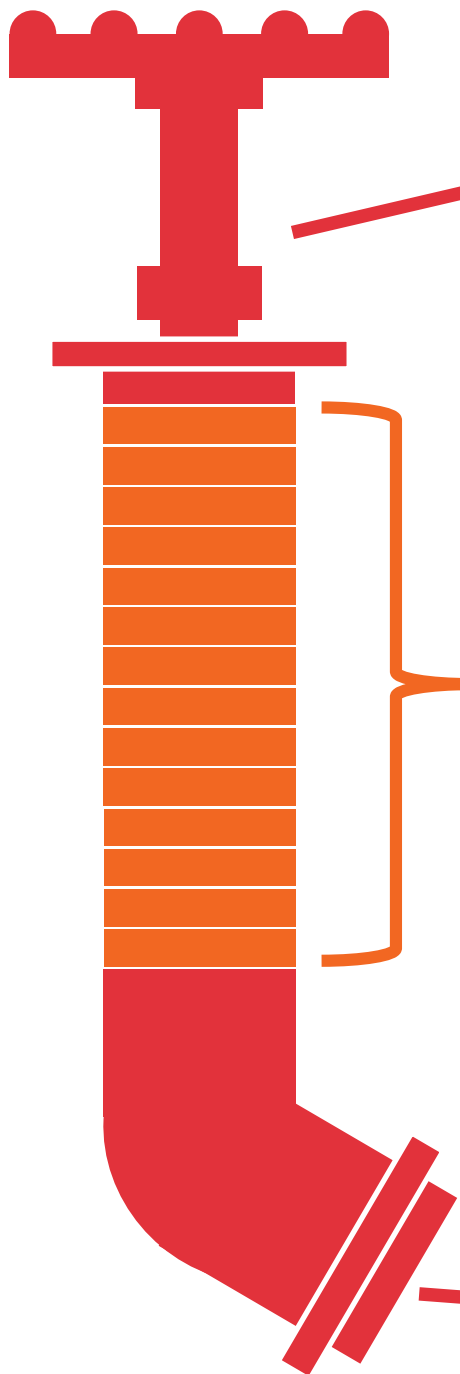
Continuous  
Integration

Testing

Development

# Gulp Streams in Action





```
return gulp
  .src(config.index)
  .pipe($.plumber())
  .pipe($.inject(
    gulp.src(templateCache, {read: false}), {
      starttag: '<!-- inject:templates:js -->'
    })
  )
  .pipe(assets)
  .pipe(cssFilter)
  .pipe($.cssso())
  .pipe(cssFilter.restore())
  .pipe(jsLibFilter)
  .pipe($.uglify())
  .pipe(jsLibFilter.restore())
  .pipe(jsAppFilter)
  .pipe($.ngAnnotate())
  .pipe($.uglify())
  .pipe(jsAppFilter.restore())
  .pipe($.rev())
  .pipe(assets.restore())
  .pipe($.userref())
  .pipe($.revReplace())
  .pipe(gulp.dest(config.build))
  .pipe($.rev.manifest())
  .pipe(gulp.dest(config.build));
```









# Gulp 3.8.x





# Operating System

OSX on a Mac

Windows



# Pre-Requisites

JavaScript experience  
Some Node.js experience









## Popular Editors



ATOM



Visual Studio

# This course comes with an application that is ready for Gulp

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<https://github.com/johnpapa/pluralsight-gulp>



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# What About Gulp vNext ?



Gulp 4

Good migration path