# Introduction

# Hi, my name is Sharon and I’m a recovering ColdFusion Developer

## Why this talk

### Cf.O, great talks on Angular

### Learning it myself – tons of video demos

### But…current Angular demos vs. your code

## About me

### CF developer since 1997 (version 2.5)

### It’s been good to me through the years

## Brag Slide

### I’ve been fortunate to work on a lot of really great sites.

### Remember Reebok.com, hosted in a loft in South Boston, I’d just finished the homepage when another dev said to me “how does it feel having your code seen by millions?” [face]

## Why Angular

### MEAN - [It’s so hip, it has an acronym]

### Joke about hipster trends

### Angular popularity [graph slide]

### Google endorsed “Open Source” [mention experience with other open source]

### In spite of all that….

## What are you looking for

## I’d want:

### Quick results

#### As in building something on Monday

### Wow my boss

#### A dev has to eat.

### Impress geek friends

#### Geek cred counts

### Resume fodder

#### Gotta be looking to the future

### Like JS become a cool kid

#### You know, like the Ruby on Rails guys

### Fun/Feel like a genius

#### This one should’ve been first.

#### [Joke about if you want to feel like a genius and a moron, sometimes at the same time, become a programmer]

## Gratuitous use of Ben’s slide

### I hope to get you to at least the second peak.

### I want to change your opinion of front-end development.

## On Javascript

### Put me in the “hate” camp

### The hours spent tracking down browser incompatibilities…

### THE DOM

### Worst part? Nobody respected it. Low-level work.

## But

### Times have changed.

## Where are you now?

### [show of hands]

## Reasons we’ve avoided JS

### The last one is the biggie.

## JQuery

### Ray Camden might disagree

## Nobody liked

### Anybody else look like this while traversing the DOM in their head? I thought so.

## Geek Trivia

### (this slide exists to make me sound smart. Well, not really….)

## Look Familiar?

### This is what I always liked about CF. Most of the time you could look at the code and it told you what it was going to do.

### You didn’t have to “compile” it in your head first to understand it.

## Angular is too

### Although the Google guys don’t like the comparisons, there are a few similarities.

## Talk is cheap

### The plan:

### A few very basic demos showing the most useful parts

### Then a rolling demo using a conventional app.

# Adding Angular to a conventional app

## DEMO: the most basic Angular App with data binding.

### [Joke “I’m done”]

### It really is as basic as that, however, some things to worry about:

#### Other JS/frameworks may over-write functions

#### Making sure files are loaded in the right order (jQuery first)

#### Where to bootstrap

## $scope (with image from angular docs)

### $scope bound to controllers

### child $scope created in ng-repeat

### $rootScope shared within the whole app

## Angular is MVC

### What is a model?

#### Praise 2-way data-binding.

### Views

#### HTML

##### Limitations of inline eval.

### Controller

### Wait…nobody mentioned Services

## Construction of an Angular App

### Modules

### Controller

#### Defining functions w/I controller

### Service Factories

### Dependency Injection

### Directives

## DEMO: Angular with the basic parts with modules

### Ng-app = app boundaries

### Modules

## DEMO: Angular with data

### [$http vs. $resource]

### Data, data everywhere!

#### Show a cfc.

#### Show using static .json

#### [Angular just doesn’t care!]

## DEMO: Angular with a data service

## The $watch, $digest, $apply

### Image from docs

# But what about the real world?

## DEMO: Converting list over to dynamic.

### You’re feeling all chuffed with yourself, feeling like him, when the boss comes in.

## STORY: boss comes in and asks for sortable columns.

## DEMO: Adding sortable columns

## STORY: Boss asks for multi-sort columns

## STORY boss comes in and asks for filtering

## DEMO: Text Filter

## STORY: boss comes in and asks for checkbox filtering

## DEMO: checkbox filtering.

## STORY: boss asks for modal detail view

## DEMO: modal detail.

# The REAL real world

## Dan’s lighting talk

# Questions