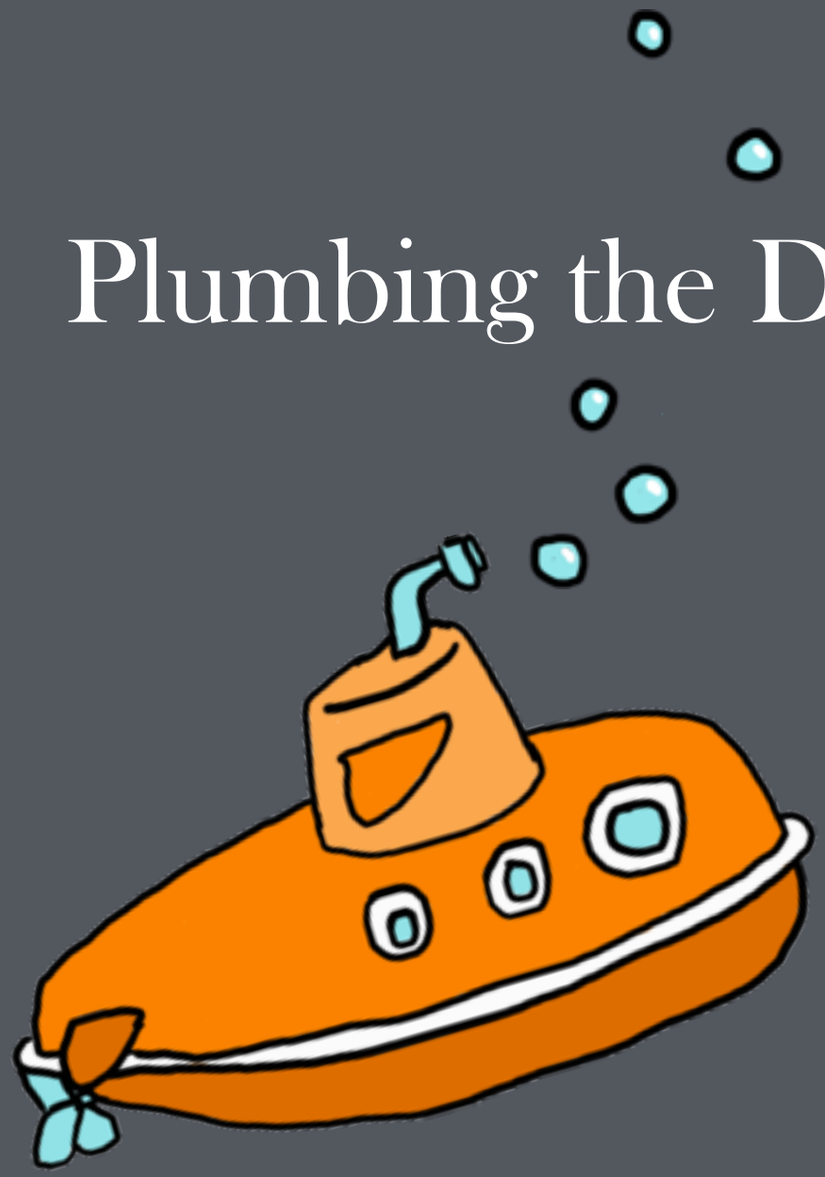
node JS INTERACTIVE 2015



Plumbing the Depths of Handlebars

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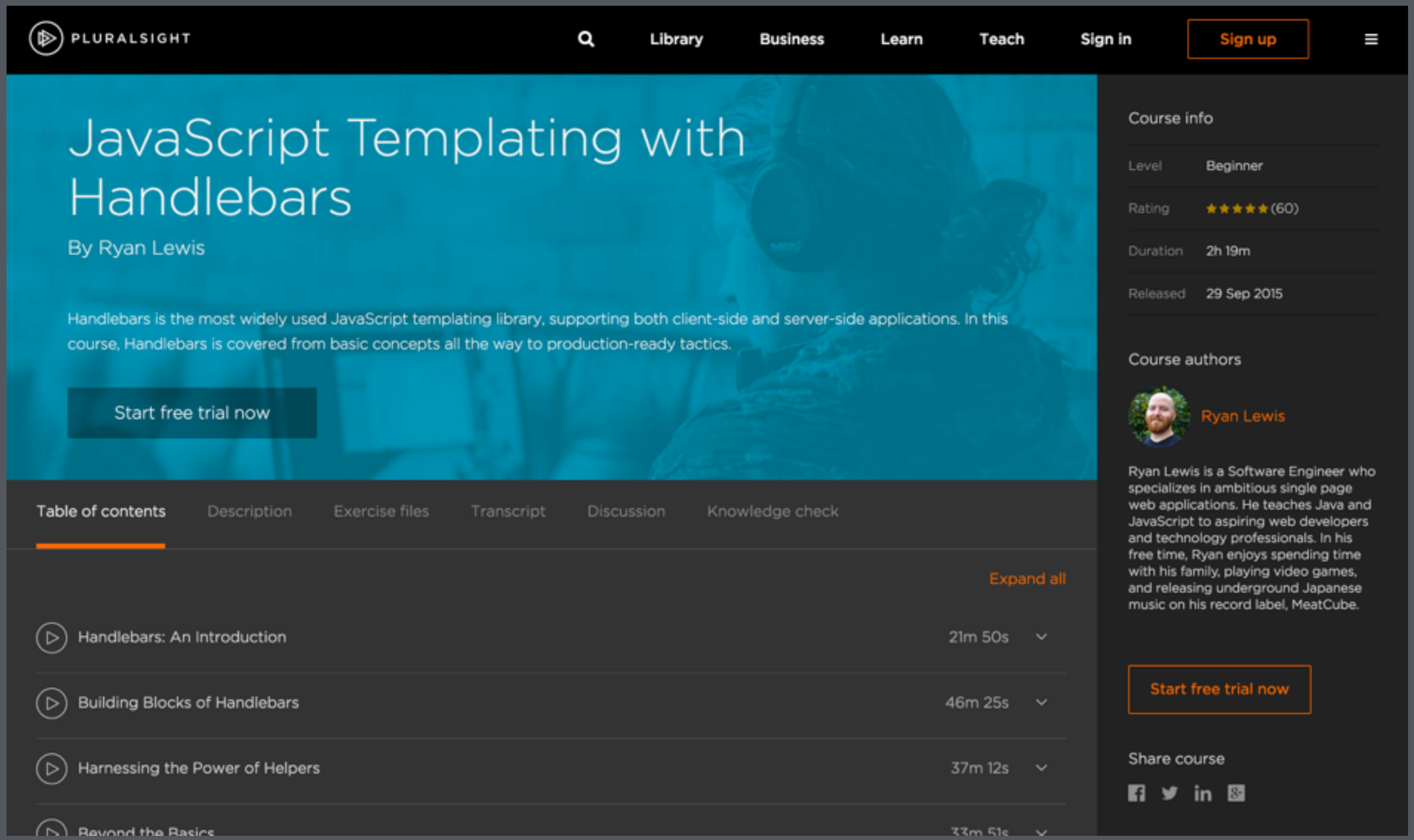
PLURALSIGHT



www.pluralsight.com/courses/handlebars-javascript-templating

1. Where are Helpers?

```
Handlebars.registerHelper('isCorrect',
    function() { return false; });
```

```
Handlebars.helpers.isCorrect = function() {
    return false;
}
```

```
Handlebars.registerPartial('awesome-templ',
    '{{#if isCorrect}} Awesome {{/if}}');


 Handlebars.partials['awesome-templ'] =
      '{{#if isCorrect}} Awesome {{/if}}';
```

```
 //some template is rendered with partial


Handlebars.partials['awesome-templ'] =
     function() { //render }};
```

2. Helpers first

```
Handlebars.registerHelper('isCorrect',
    function() { return false; });
```

```
{ name: 'Ness', city: 'Onett', isCorrect: true }
```

```
{{#if isCorrect}}
    I'm right!
{{/if}}
```

You can prefix properties with `this` to avoid collisions

are you kidding me!?

Postfix all your helpers with “helper”

3. Conditional block syntax

```
{{#if isCorrect}}
Dogs are the best!
{{/if}}
```


```
{{#isCorrect}}
Dogs are the best!
{{/isCorrect}}
```

4. Handlebars implementations

Handlebars.Java

github.com/jknack/handlebars.java

Handlebars.Net

github.com/rexm/Handlebars.Net

pybars

github.com/wbond/pybars3

handlebars.php

github.com/XaminProject/handlebars.php

5. node ❤ Handlebars

hapi.js

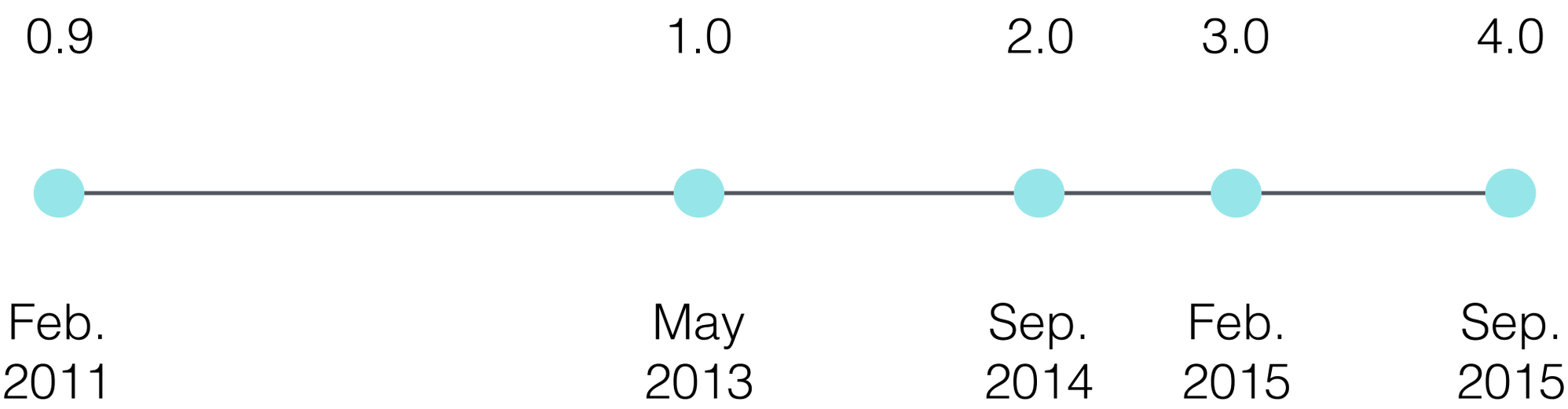
```
server.views({
   engines: { html: require('handlebars') },
   path: __dirname + '/templates',
   partialsPath: __dirname + '/templates/partials'
});
```

express.js

```
var app = express();
app.engine('handlebars',
   require(‘express-handlebars’)({defaultLayout:
   'main'}));
app.set('view engine', 'handlebars');
```

6. Handlebars is alive!

Handlebars Release Timeline



Version 5.0 coming Feb. 2016?

7. `this` in helpers

```
Handlebars.registerHelper('helpHelper',
function() { return this.needsHelp; });
```

```
{ needsHelp: 'shore do!' }
```


```
{{helpHelper}}
```

shore do!

8. `this` is mutable in helpers

```
Handlebars.registerHelper('helpHelper',
    function() {
        this.needsHelp = 'corse not!';
    });
```

```
{ needsHelp: 'shore do!' }
```

```
{{helpHelper}}{{needsHelp}}
```

```
corse not!
```

9. Executing function properties

```
{
   name: ‘Paula’,
   getIt: function() {
      return ‘got it!’;
   }
}
```

```
{{getIt}}
```

got it!

10. Re-scoping partials

```
Handlebars.partial('myPartial, '{{dog}}');
```

```
{{> myPartial dog="panda"}}
```

panda

11. @data variables

`@root`

root context

`@first`

true if first iteration

`@index`

zero-based iteration index

`@key`

key name

12. Inline partials in 4.0

```
{{#*inline ‘fullName’}}
   {{firstName}} {{lastName}}
{{/inline}}
```

```
<h2>Hello {{> fullName}},</h2>
<h3>Friends:</h3>
<ul>
  {{#each friends}}
    <li>{{> fullName}}</li>
  {{/each}}
</ul>
```

13. Decorate your templates

Register...

```
Handlebars.registerDecorator('debug',
  function(program, props, container, context) {
    console.log('Debug: ' + JSON.stringify(context.data));
});
```

...then use

```
{{* debug}}
<h1>{{dog.name}}</h1>
<p>{{dog.desc}}</p>
```

Output

```
Debug: {"root":{"pet":{"name":"Garfunkel","desc":"Best
dog","isDog":true}}}
```

14. Control the whitespace

```
{{#blocks~}}
{{~/blocks}}

{{~properties~}}

{{~helpers with=arguments~}}

{{~*decorators~}}

{{~!-- comments --~}}
```

15. Pre-compilation

grunt-contrib-handlebars

```
handlebars: {
  compile: {
    options: {
      namespace: "JST"
    },
    files: {
      "result.js": "source.hbs"
    }
  }
}
```

gulp-handlebars

```
module.exports = function() {
   var partials = gulp.src(['./templates/_*.hbs'])
     .pipe(handlebars())
     .pipe(wrap('Handlebars.registerPartial(<%=
processPartialName(file.relative) %>,
Handlebars.template(<%= contents %>));', {}, {
       imports: {
         processPartialName: function(fileName) {
           return JSON.stringify(path.basename(fileName,
'.js').substr(1));
         }
       }
     }));

  var templates = gulp.src('./templates/[^_]*.hbs')
    .pipe(handlebars())
    .pipe(wrap('Handlebars.template(<%= contents %>)'))
    .pipe(declare({
      namespace: 'App.templates',
      noRedeclare: true
   }));

  return merge(partials, templates)
    .pipe(concat('templates.js'))
    .pipe(gulp.dest('./build/js/'));
};
```

Questions?

Thank you!

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