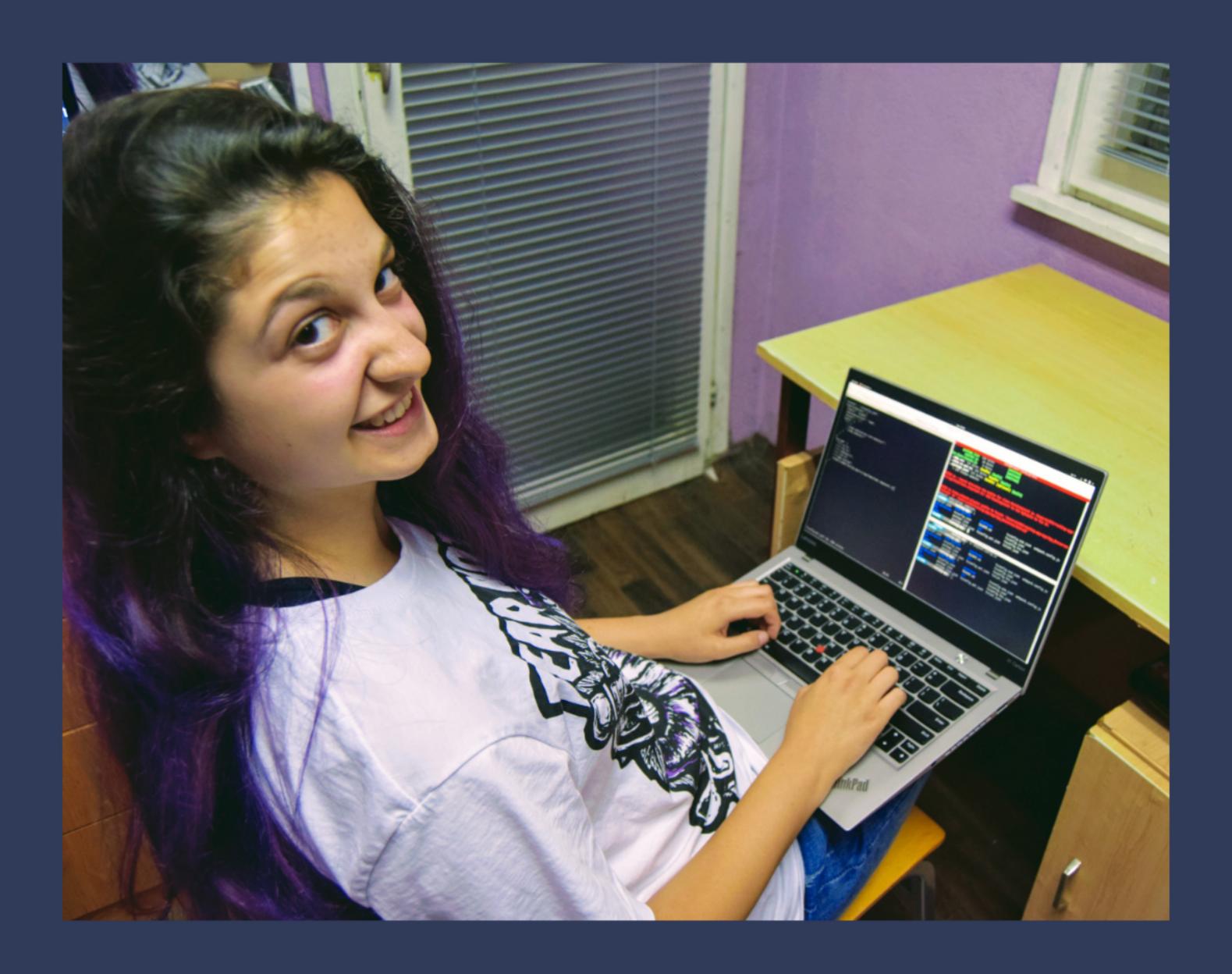
Angular lyg geek-out



Stanimira Vlaeva
Dev @ NativeScript

Angular integration

Code-sharing with web

Performance stuff

Webpack builds

Disclaimer: Ivy is not finished yet!

```
(function anonymous(jit_StaticNodeDebugInfo0,jit_createRenderComponentType1,
    jit_22,jit_DebugAppView3,jit_14,jit_CD_INIT_VALUE5,
     jit_createRenderElement6, jit__object_Object_7, jit_inlineInterpolate8, jit_checkBinding9
   var styles_App = [];
   var nodeDebugInfos_App0 = [
     new jit_StaticNodeDebugInfo0([],null,{}),
     new jit_StaticNodeDebugInfo0([],null,{}),
                                                                                                                                                                                                                                  (function anonymous(i0) {
     new jit_StaticNodeDebugInfo0([],null,{}),
                                                                                                                                                                                                                                    var App = (function () {
                                                                                                                            (function anonymous(jit_createRendererType2_0,jit_viewDef_1,jit_textDef_2,jit_elementDef_3) {
     new jit_StaticNodeDebugInfo0([],null,{}),
                                                                                                                                                                                                                                      function App() {}
     new jit_StaticNodeDebugInfo0([],null,{}),
                                                                                                                                                                                                                                      App.ngComponentDef = i0.edefineComponent({
                                                                                                                              var RenderType_App = jit_createRendererType2_0({encapsulation:2,styles:styles_App,
     new jit_StaticNodeDebugInfo0([],null,{}),
                                                                                                                                                                                                                                        type: App,
                                                                                                                                  data:{}});
     new jit_StaticNodeDebugInfo0([],null,{})
                                                                                                                                                                                                                                        selectors: [['my-app']],
                                                                                                                              function View_App_0(_1) {
                                                                                                                                                                                                                                        factory: function App_Factory() {
                                                                                                                               return jit_viewDef_1(0,[
                                                                                                                                                                                                                                          return new App();
                                                                                                                                    (_1()(),jit_textDef_2(-1,null,['\n '])),
   var renderType_App = jit_createRenderComponentType1('./App class App - inline template',0,jit_22,styles_App,{});
                                                                                                                                    (_1()(),jit_elementDef_3(1,0,null,null,4,'div',[],null,null,null,null,null)),
   function View_App0(viewUtils, parentView, parentIndex, parentElement) {
                                                                                                                                                                                                                                        template: function App_Template(ctx, cm) {
                                                                                                                                    (_1()(),jit_textDef_2(-1,null,['\n
     var self = this;
                                                                                                                                                                                                                                          if (cm) {
                                                                                                                                   (_1()(),jit_elementDef_3(3,0,null,null,1,'h2',[],null,null,null,null,null)),
                                                                                                                                                                                                                                            i0.eE(0, 'div');
     jit_DebugAppView3.call(this, View_App0,renderType_App,jit_14,viewUtils,
                                                                                                                                    (_1()(),jit_textDef_2(4,null,['Hello ',''])),
        parentView,parentIndex,parentElement,jit_22,nodeDebugInfos_App0);
                                                                                                                                                                                                                                            10.eE(1, 'h2');
                                                                                                                                    (_1()(),jit_textDef_2(-1,null,['\n '])),
     self._expr_7 = jit_CD_INIT_VALUE5;
                                                                                                                                                                                                                                            i0.eT(2);
                                                                                                                                    (_1()(),jit_textDef_2(-1,null,['\n ']))
                                                                                                                                                                                                                                            i0.ee();
   View_App0.prototype = Object.create(jit_DebugAppView3.prototype);
                                                                                                                                                                                                                                            i0.ee();
                                                                                                                                  null,
   View_App0.prototype.createInternal = function(rootSelector) {
                                                                                                                                  function(_ck, _v) {
                                                                                                                                                                                                                                          i0.et(2, i0.ei1('Hello ', ctx.name, ''));
                                                                                                                                   var _co = _v.component;
     var parentRenderNode = self.renderer.createViewRoot(self.parentElement);
                                                                                                                                   var currVal_0 = _co.name;
     self._text_0 = self.renderer.createText(parentRenderNode,'\n ',self.debug(0,0,0));
                                                                                                                                   _ck(_v,4,0,currVal_0);
     self._el_1 = jit_createRenderElement6(self.renderer,parentRenderNode,'div',jit__object_Object_7,self.debug(1,1,4));
                                                                                                                                                                                                                                      return App;
     self._text_2 = self.renderer.createText(self._el_1,'\n
                                                              ',self.debug(2,1,9));
                                                                                                                                                                                                                                    }());
     self._el_3 = jit_createRenderElement6(self.renderer, self._el_1, 'h2', jit__object_Object_7, self.debug(3,2,6));
                                                                                                                             return {RenderType_App:RenderType_App,View_App_0:View_App_0};
     self._text_4 = self.renderer.createText(self._el_3,'',self.debug(4,2,10));
                                                                                                                                                                                                                                    i0.orenderComponent(App);
     self._text_5 = self.renderer.createText(self._el_1,'\n ',self.debug(5,2,29));
                                                                                                                                                                                                                                  })
     self._text_6 = self.renderer.createText(parentRenderNode,'\n ',self.debug(6,3,10));
     self.init(null,(self.renderer.directRenderer? null: [
       self._text_0,
       self._el_1,
       self._text_2,
       self._el_3,
       self._text_4,
       self._text_5,
       self._text_6
     ),null);
     return null;
   View_App0.prototype.detectChangesInternal = function(throwOnChange) {
     var self = this;
     self.debug(4,2,10);
     var currVal 7 = jit inlineInterpolate8(1,'Hello ',self.context.name,'');
     if (jit_checkBinding9(throwOnChange,self._expr_7,currVal_7)) {
       self.renderer.setText(self. text 4, currVal 7);
        self._expr_7 = currVal_7;
   return View_App0
```

LOCality

Tree-shaking

Debuging

Locality

Tree-shaking

Debuging

Local data only

Local data only

=> faster incremental builds

Local data only

- => faster incremental builds
- => no metadata.json files

Local data only

- => faster incremental builds
- => no metadata.json files
- => Ship compiled libraries

Locality

Tree-shaking

Debuging

Eliminating unused code

```
// first.ts
export const foo = 15;
export const bar = 30;
// second.ts
import { foo } from "./first";
console.log(foo);
```

Eliminating unused code

```
// first.ts
export const foo = 15;
export const bar = 30;
// second.ts
import { foo } from "./first";
console.log(foo);
```

Doesn't execute the code!

Doesn't execute the code!

```
// first.ts
export const foo = 15;
// second.ts
import { foo } from "./first";
const condition = false;
if (condition) {
     console.log(foo);
```

Tree-shakeable components:

Dependency injection Internationalization

Animations

Queries

+ more

> 5.0 KB
Hello World' app

> 5. OKB
Hello World app

So what?

Angular elements

LOCality

Trac-shaking

Debugging

Let's summon some demons!

Epilogue...

I saved the best for last...

I saved the best for last...

lvy is backwards-compatible!

Play with it!

- > ng new myIvy --experimentalIvy=true
- > cd myIvy
- > ng serve --aot